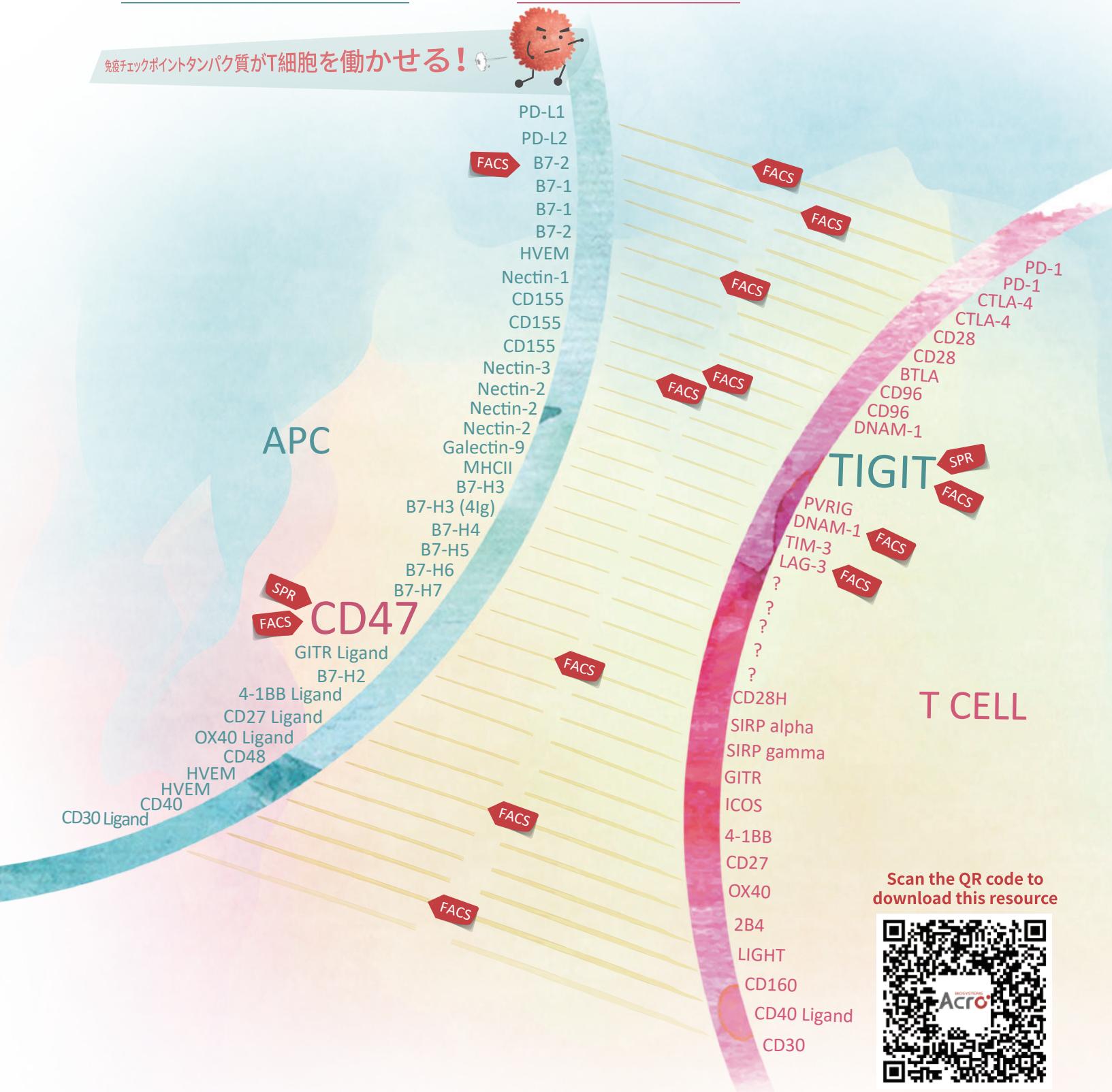


免疫チェックポイントタンパク質

「ブレーキを解除する」か「アクセルを踏む」か

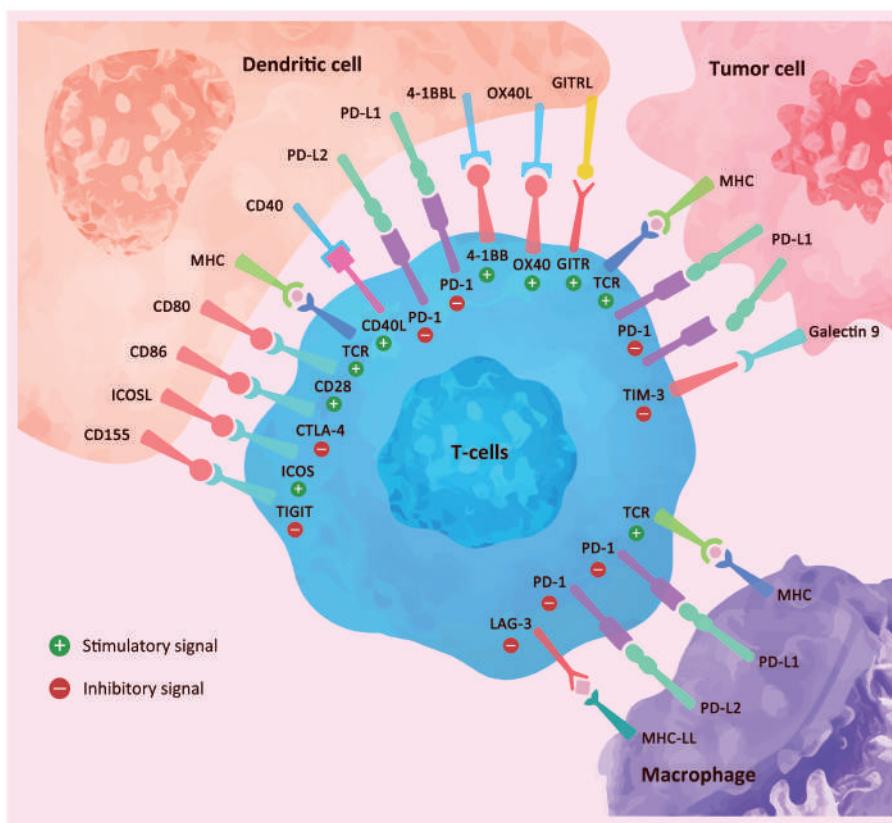


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I. 免疫チェックポイントに関する最新の開発情報

免疫チェックポイント（immune checkpoint）は免疫システムにおける重要な調節因子です。免疫チェックポイントを用いて開発されている抗体医薬品は重要な免疫療法剤として、がん、がん、免疫疾患などの治療に使われています。CTLA-4とPD-1/PD-L1は現在最も研究されている抑制受容体で、免疫チェックポイントを抑制し、がんを治療します。LAG-3、TIM-3、TIGIT、VISTA、B7-H3などの免疫チェックポイント受容体抗体薬の開発が研究で進んでいます。また、GITR、4-1BB、CD40などの活性化受容体を使った分子標的薬の研究も始められています。このように、免疫チェックポイント抗体薬の開発を効率的に行うことが非常に重要です。



上記に掲載されている免疫チェックポイントはACROBiosystemsで提供しております。詳しい情報は
www.acrobiosystems.comからご確認ください。



免疫チェックポイントタンパク質に関する情報
 はQRコードの読み取りでご確認ください。

II.ユニークなサービス

>>> MALS/HPLCの検証によって純度が高いことが確認されている。

>>> ELISA/SPR/FACSなどの検証によって、生物活性が高いことが確認されている。

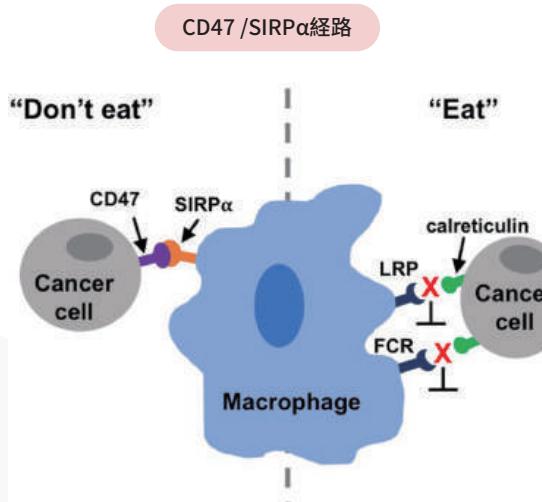
>>> 厳しいQC（品質管理）が行われ、いずれのロットも品質が良い。

免疫、抗体スクリーニング、細胞機能検証などに利用できる

III. 免疫共抑制分子

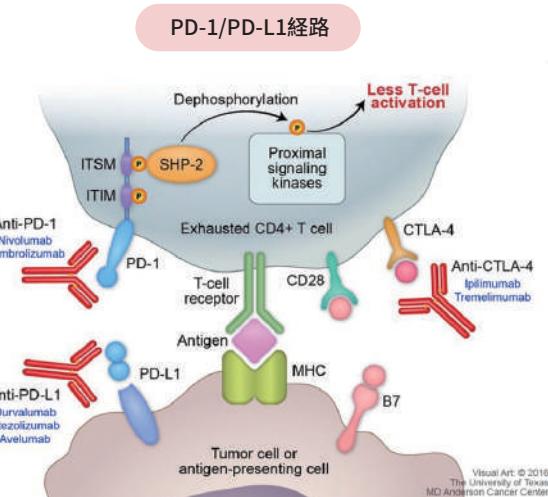
T細胞の活性化は通常は刺激性シグナルと抑制シグナルによって調節されています。免疫共抑制分子は抑制シグナルを伝達するリガンド/受容体ペアで（PD-1/PD-L1など）、T細胞の抗腫瘍免疫応答を負に調節し、免疫寛容と免疫の恒常性を維持するのに重要な役割を果たしています。研究によると、免疫共抑制分子とそのリガンドは通常腫瘍微小環境でアップレギュレーションされているとされています。腫瘍微小環境に存在している免疫抑制成分は、腫瘍特異的にT細胞が消耗され、または抑制されることはいずれも腫瘍免疫回避、免疫治療効果低下と強い関連性を持っています。

■ 代表的な免疫共抑制経路



Oronsky B, Carter C, Reid T, et al. Just eat it: A review of CD47 and SIRPa antagonism[J]. Seminars in Oncology, 2020, 47(2-3).

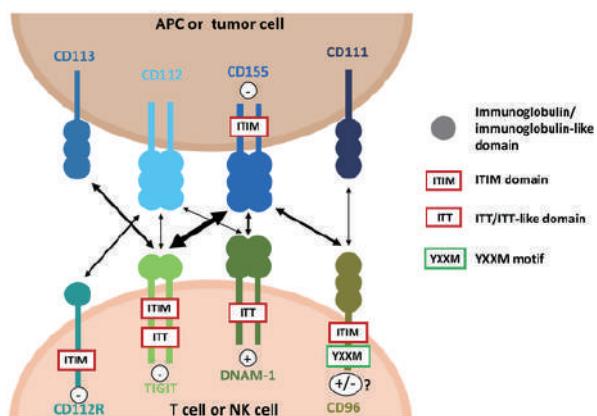
- CD47は異なる種類の腫瘍に高発現している。
- CD47は骨髄細胞（特にマクロファージ）のSIRPa膜貫通型タンパク質と結合でき、CD47とSIRPaの複合体となる。
- 抗CD47はCD47-SIRPaの抑制シグナルを遮断し、腫瘍細胞に対するマクロファージの食作用を促進できる。



Schwartsman G, Ferrarotto R, Massarelli E. Checkpoint inhibitors in lung cancer: latest developments and clinical potential[J]. Ther Adv Med Oncol, 2016;4:60-473.

- 腫瘍細胞に対する免疫応答をダウンレギュレートする。
- T細胞の炎症性を抑制することで免疫系を調節し、腫瘍耐性を高める。
- 抗PD-1/PD-L1モノクロナール抗体は活性化と増殖が抑制されることによって、腫瘍特異的T細胞を活性化にし、増殖させる。

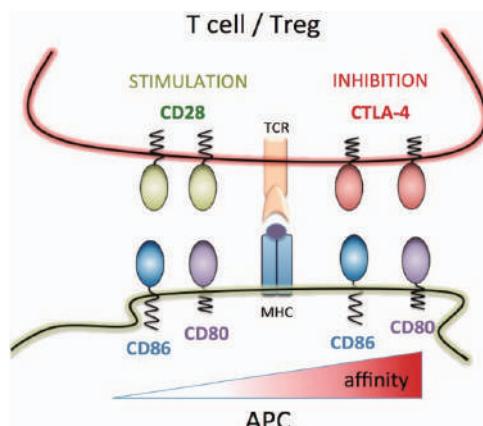
TIGIT経路



Harjung H, Guillerey C. TIGIT as an emerging immune checkpoint[J]. Clinical & Experimental Immunology, 2019, 200(13).

- 様々な経路を介して免疫系を調節し、がんの進行度、予後不良と関連性を示している。
- 調節ネットワークに複数の抑制受容体 (CD112R/PVRIG)、共刺激性受容体 (DNAM-1) と複数のリガンド (CD155など) が含まれる。
- TIGIT はCD4+、CD8+、TregなどのT細胞サブセットにおいて発現している。TIGITがT細胞に対する調節は経路が様々である。

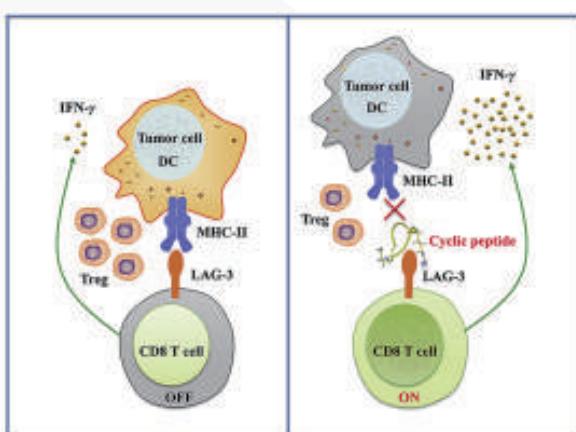
CTLA-4経路



Verma N , Burns S O , Walker L S , et al. Immune deficiency and autoimmunity in patients with CTLA-4 (CD152) mutations[J]. Clinical & Experimental Immunology, 2017.

- T細胞の負の調節因子はT細胞の活性化と増殖を妨げ、メモリーT細胞の分化を抑制する。
- CTLA-4は抗原細胞の表面にある受容体と結合してブレーキとなり、免疫反応を止める。
- CTLA-4阻害剤はTregによる免疫のダウンレギュレーションを解除し、T細胞を活性化にし、がん細胞への殺傷能力を高める。

LAG-3経路



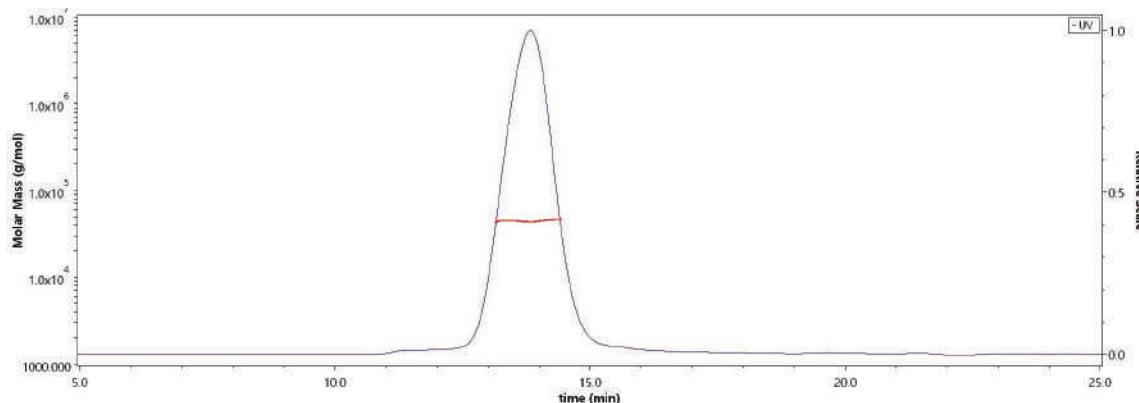
Chu Y, Lu C, Chu J. Acta Pharmaceutica Sinica. 1965.

- LAG-3は CD4+と CD8+Tを誘導し発現させる。がん免疫療法に対する効果的なターゲットである。
- MHCクラス II トランス活性化因子 (CIITA) は LAG-3リガンドの重要な調節因子である。
- LAG-3は細胞内において抑制シグナルを伝達することで、T細胞の活性化を阻害する。

■ 成功実例

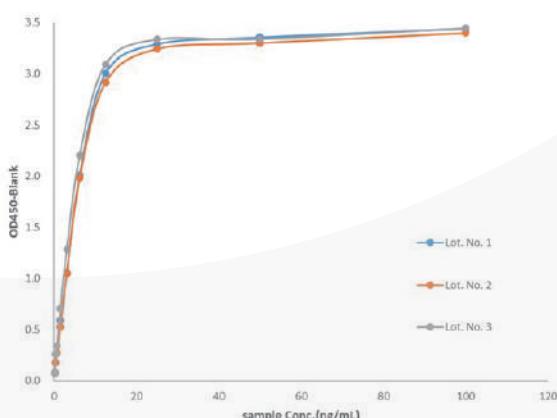
MALSで真の分子量と結合力を検証

組み替えタンパク質の均一性と、ネイティブタンパク質と同様の結合力を持つかは、抗体医薬品開発のテーマとなっている。免疫及び抗体スクリーニングを行うには純度と均一性の高い製品が必要である。



The purity of Human B7-2, His Tag (Cat. No. CD6-H5223) was more than 90% and the molecular weight of this protein is around 40-50 kDa verified.

異なるロット間の一貫性は良好である



Lot. No.	EC50(μg/mL)
Lot. No. 1	0.0052
Lot. No. 2	0.0052
Lot. No. 3	0.0045

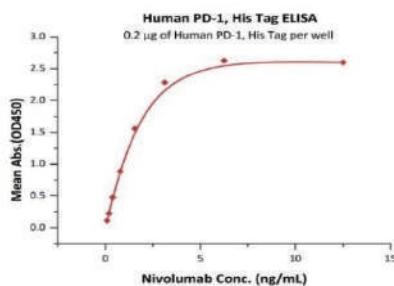
Biotinylated Human PD-1 / PDCD1 Protein, Avitag™,His Tag (recommended for biopanning) (MALS verified)
(Cat. No. PD1-H82E4)

抗体医薬品創薬の各研究に利用できる

■ 免疫と抗体スクリーニングに対応している

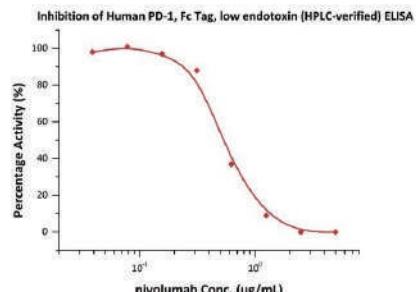
> 抗体の結合を検証

PD-1&PD-L1経路



Immobilized Human PD-1, His Tag (Cat. No. **PD1-H5221**) at 2 μ g/mL (100 μ L/well) can bind Nivolumab with a linear range of 0.1-3 ng/mL.

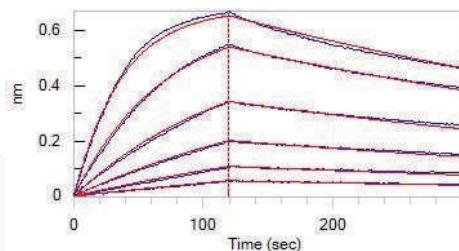
PD-1&PD-L1経路



Serial dilutions of nivolumab were added into Human PD-1, Fc Tag, low endotoxin (Cat. No. **PD1-H5257**): Biotinylated Human PD-L1, Fc, Avitag, His Tag (Cat. No. **PD1-H82F3**) binding reactions. The half maximal inhibitory concentration (IC50) is 0.5381 μ g/mL (Routinely tested).

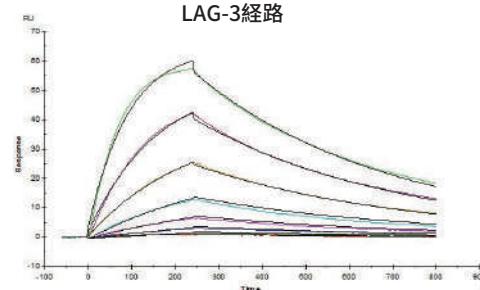
> 親和性検証

LAG-3経路



Anti-LAG-3 MAb (Human IgG1) captured on CM5 chip via Anti-Human IgG Fc antibodies surface, can bind Human LAG-3, His Tag (Cat. No. **LA3-H5222**) with an affinity constant of 4.57 nM as determined in a SPR assay (Biacore T200) (Routinely tested).

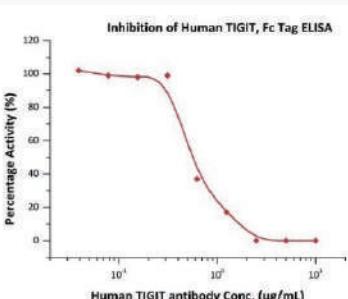
LAG-3経路



Loaded Anti-LAG-3 MAb (Human IgG1) on AHC Biosensor, can bind Human LAG-3, His Tag (Cat. No. **LA3-H5222**) with an affinity constant of 7.47 nM as determined in BLI assay (ForteBio Octet Red96e) (Routinely tested).

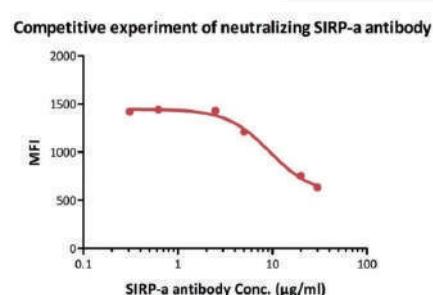
> 中和抗体を検証

TIGIT経路



Serial dilutions of Human TIGIT Neutralizing antibody were added into Human TIGIT, Fc Tag (Cat. No. **TIT-H5254**): Biotinylated Human CD155, Fc, Avitag (Cat. No. **CD5-H82F6**) binding reactions. The half maximal inhibitory concentration (IC50) is 0.55834 μ g/mL (Routinely tested).

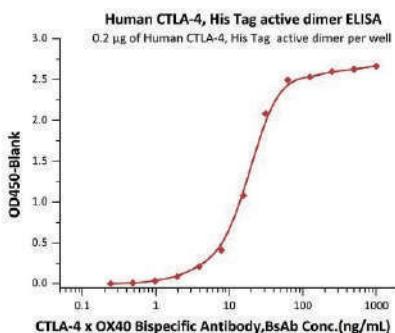
CD47&SIPR α経路（細胞レベルでの検証）



FACS analysis shows that the binding of Human CD47 to ACHN expressing SIRP-a was inhibited by increasing concentration of neutralizing SIRP-a antibody. The concentration of Human CD47 used is 20 μ g/mL. IC50=9.334 μ g/mL.

■ 薬物動態分析－PK分析

CTLA-4経路



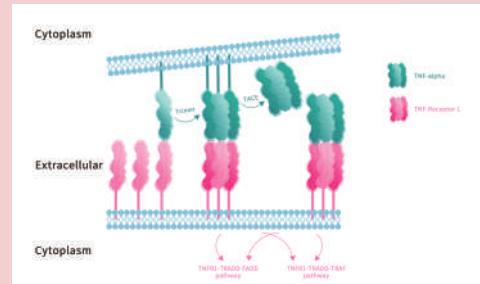
Immobilized Human CTLA-4, His Tag, active dimer (Cat. No. CT4-H52H9) at 2 µg/mL, add increasing concentrations of CTLA-4 x OX40 Bispecific Antibody in 50% Human serum and then add Biotinylated Human OX40, Avitag, His Tag(Cat. No. TN4-H82E4) at 1 µg/mL. Detection was performed using HRP-conjugated streptavidin with sensitivity of 4 ng/mL (Intact assay, Routinely tested).

IV. 免疫共刺激分子

B7-CD28、TNFRファミリー、CD28、B7-CD28ファミリーにある主要な共刺激受容体であるICOSなどが含まれる。OX40、CD40、CD27、41BB、GITR、CD30はTNFRファミリーに属している。

タンパク質が正確な結合力と構造を維持する意味とは：

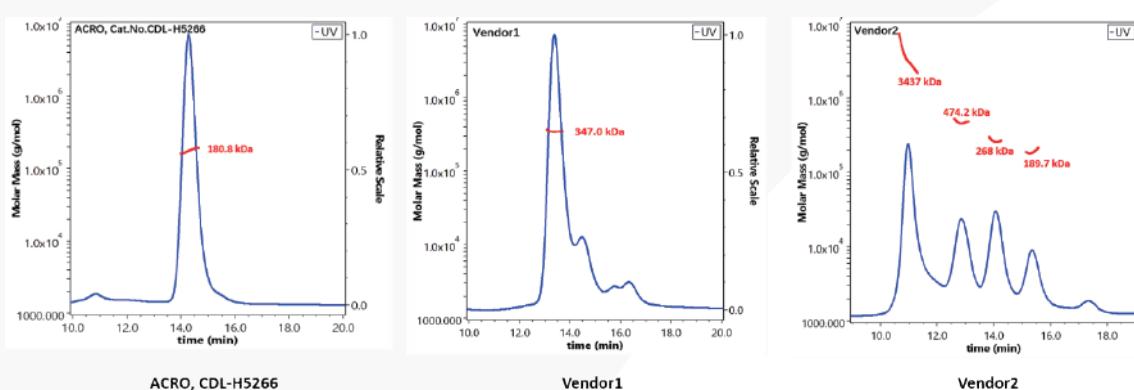
- TNFRファミリーリガンド（OX40L、CD40L、CD27L、41BBL、GITRL、CD30L）は天然の状態では通常膜に固定されている、または可溶型三量体として存在している。
- 三量体の構造は受容体との結合を促進し、経路下流を効果的に刺激できる。
- 天然型三量体構造タンパク質への免疫反応から得た抗体は天然型エピトープをより良く識別し、受容体とリガンドの結合を効果的に阻害できる。
- 正確に折り畳まれた天然型コンフォメーションのある標的タンパク質は生物活性と機能が良好で、抗体医薬品創薬に有効である。



■ 検証実例

ACROBiosystems CD27L
(MALS verified)三量体タンパク質 VS 他のCD27Lタンパク質

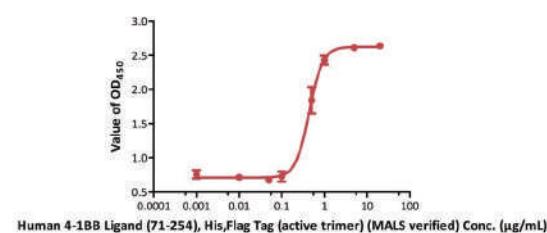
天然型三量体の構造と真の分子量はMALSで検証済みである。



■ 細胞機能検証

4-1BB経路

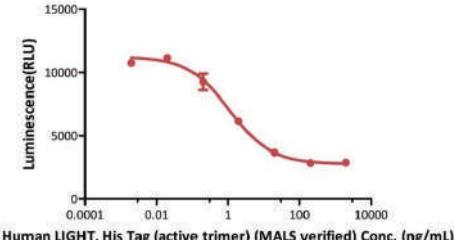
Human 4-1BB Ligand (71-254), His,Flag Tag (active trimer) (MALS verified) induce IL-8 secretion in HT1080 human CD137 cell line



Human 4-1BB Ligand (71-254), His,Flag Tag (active trimer) (MALS verified) (Cat. No. 41L-H52D4) induce IL-8 secretion in HT1080 human CD137 cell line. The EC₅₀ for this effect is 0.20-0.44 μg/mL (Routinely tested).

LIGHT経路

Human LIGHT, His Tag (active trimer) (MALS verified) induced cytotoxicity in HT-29 cells



Human LIGHT, His Tag (active trimer) (MALS verified) (Cat. No. LIT-H5242) induced cytotoxicity in HT-29 cells. The ED₅₀ for this effect is 1.11-3.87 ng/mL (Routinely tested).

V. 製品一覧

■ 免疫共抑制分子製品リスト

分子	製品番号	種族	構造
B7-1	B71-H5228	Human	B7-1(35-242) His MALS verified
B7-1	B71-H52A4	Human	B7-1(35-242) mFc MALS verified
B7-1	B71-H82E9	Human	B7-1(35-242) Avi His
B7-1	B71-H82F2	Human	B7-1(35-242) Fc Avi MALS verified
B7-1	B71-HP258	Human	*Fc tag, specially designed structure
B7-1	B71-H5259	Human	B7-1(35-242) Fc MALS verified
B7-1	CD0-M5228	Mouse	B7-1(38-245) His
B7-1	CD0-M5259	Mouse	B7-1(38-245) Fc MALS verified
B7-1	CD0-C5252	Cynomolgus Rhesus macaque	B7-1(35-242) Fc MALS verified
B7-1	CD0-C52H3	Cynomolgus Rhesus macaque	B7-1(35-242) His MALS verified
B7-2	CD6-H82F5	Human	B7-2(26-247) Fc Avi
B7-2	CD6-H5257	Human	B7-2(26-247) Fc MALS verified
B7-2	CD6-H5223	Human	B7-2(26-247) His MALS verified

*弊社製品は特別な技術で作られている。詳しい情報はwww.acrobiosystems.comからご覧くださいか、スタッフにご連絡ください。

分子	製品番号	種族	構造
B7-2	CD6-M5251	Mouse	B7-2(24-245) Fc
B7-2	CD6-M52H0	Mouse	B7-2(24-245) Fc His
B7-2	CD6-C5254	Cynomolgus Rhesus macaque	B7-2(19-240) Fc
B7-2	CD6-C52H5	Cynomolgus Rhesus macaque	B7-2(19-240) His
B7-H3	B73-H82E6	Human	B7-H3(29-245) Avi
B7-H3	B73-H82F5	Human	B7-H3(29-245) Fc Avi
B7-H3	B73-H5253	Human	B7-H3(29-245) Fc
B7-H3	B73-H52E2	Human	B7-H3(29-245) His
B7-H3	B73-M5255	Mouse	B7-H3(29-244) Fc
B7-H3	B73-M52H4	Mouse	B7-H3(29-244) His
B7-H3	B73-C52Ha	Cynomolgus	B7-H3(29-465) His
B7-H4	B74-H5256	Human	B7-H4(29-258) Fc
B7-H4	B74-H82E2	Human	B7-H4(29-258) Avi His
B7-H4	B74-H5222	Human	B7-H4(29-258) His
B7-H4	B74-H8222	Human	B7-H4(29-258) His
B7-H4	B74-M5257	Mouse	B7-H4(29-258) Fc
B7-H5	B75-H5258	Human	B7-H5(33-194) mFc
B7-H5	B75-H82F3	Human	B7-H5(33-194) Fc Avi
B7-H5	B75-H5259	Human	B7-H5(33-194) Fc
B7-H5	B75-H52H0	Human	B7-H5(33-194) His
B7-H5	B75-H82E1	Human	B7-H5(33-194) Avi His
B7-H5	B75-M52H7	Mouse	B7-H5(33-191) His
B7-H5	B75-C5220	Rhesus macaque	B7-H5(33-192) His

分子	製品番号	種族	構造
BTLA	BTA-H5258	Human	BTLA(31-150) mFc
BTLA	BTA-H52E0	Human	BTLA(31-150) His
BTLA	BTA-H82E6 <small>Biotin</small>	Human	BTLA(31-150) His Avi
BTLA	BTA-H82F3 <small>Biotin</small>	Human	BTLA(31-150) Fc Avi
BTLA	BTA-H82F8 <small>Biotin</small>	Human	BTLA(31-134) Fc Avi
BTLA	BTA-H5256	Human	BTLA(31-150) Fc
BTLA	BTA-H5255	Human	BTLA(31-134) Fc
BTLA	BTA-M5253	Mouse	BTLA(30-176) Fc
BTLA	BTA-M52E2	Mouse	BTLA(30-176) His
CD155	CD5-H5254	Human	CD155(21-343) mFc
CD155	CD5-H82E3 <small>Biotin</small>	Human	CD155(21-343) His Avi
CD155	CD5-H82F6 <small>Biotin</small>	Human	CD155(21-343) Fc Avi
CD155	CD5-H5251	Human	CD155(21-343) Fc
CD155	CD5-H5223	Human	CD155(21-343) His
CD155	CD5-M5254	Mouse	CD155(29-348) mFc
CD155	CD5-M82F7 <small>Biotin</small>	Mouse	CD155(29-348) Fc Avi
CD155	CD5-R52H5	Rhesus macaque	CD155(28-343) His
CD160	BY5-H5229	Human	CD160(27-159) His
CD47	CD7-H522a	Human	CD47(19-139) His
CD47	CD7-H5251	Human	CD47(19-139) LlamaFc
CD47	CD7-H82A3 <small>Biotin</small>	Human	CD47(19-139) mFc
CD47	CD7-H82E9 <small>Biotin</small>	Human	CD47(19-139) His Avi
CD47	CD7-H82F8 <small>Biotin</small>	Human	L234A,L235A,P329G CD47(19-139) Fc Avi

分子	製品番号	種族	構造
CD47	CD7-HA2E9		Human CD47(19-139) His Avi
CD47	CD7-HF2H3		Human CD47(19-139) His
CD47	CD7-H52A5		Human CD47(19-139) mFc
CD47	CD7-H5256		Human CD47(19-139) Fc
CD47	CD7-H5227		Human CD47(19-139) His
CD47	CD7-H82F6		Human CD47(19-139) Fc Avi
CD47	CD7-M522b		Mouse CD47(19-140) His
CD47	CD7-M5251		Mouse CD47(19-140) Fc
CD47	CD7-M525a		Mouse CD47(19-140) mFc
CD47	CD7-M82E4		Mouse CD47(19-140) His Avi
CD47	CD7-R5256		Rat CD47(19-140) Fc
CD47	CD7-C52H1		Cynomolgus Rhesus macaque CD47(19-141) His
CD47	CD7-C5252		Cynomolgus Rhesus macaque CD47(19-141) Fc
CD47	CD7-R5257		Rabbit CD47(19-139) Fc
CD47	CD7-C52H5		Canine CD47(19-140) His
CD96	TAE-H82E3		Human CD96(22-503) His Avi
CD96	TAE-H5252		Human CD96(22-503) mFc
CD96	TAE-H52H0		Human CD96(22-503) His
CTLA-4	CT4-H82A3		Human CTLA-4(37-162) mFc Avi
CTLA-4	CT4-H522a		Human CTLA-4(37-162) His
CTLA-4	CT4-H52H9		Human <i>* His & Avi tag, specially designed structure</i>
CTLA-4	CT4-H82E1		Human CTLA-4(37-162) His Avi
CTLA-4	CT4-H82E3		Human CTLA-4(37-162) His Avi

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分子	製品番号	種族	構造
CTLA-4	CT4-H52A4	Human	CTLA-4(37-162) mFc
CTLA-4	CT4-H5255	Human	CTLA-4(37-160) Fc
CTLA-4	CT4-H5229	Human	CTLA-4(37-162) His
CTLA-4	CT4-H82F3	Human	CTLA-4(37-162) Fc Avi
CTLA-4	CT4-M5256	Mouse	CTLA-4(36-162) Fc
CTLA-4	CT4-M52H5	Mouse	CTLA-4(36-162) His
CTLA-4	CT4-M82E7	Mouse	CTLA-4(36-162) His Avi
CTLA-4	CT4-R5259	Rat	CTLA-4(38-161) Fc
CTLA-4	CT4-C5256	Cynomolgus Rhesus macaque	CTLA-4(37-160) Fc
CTLA-4	CT4-C5227	Cynomolgus Rhesus macaque	CTLA-4(37-160) His
CTLA-4	CT4-C82E5	Cynomolgus Rhesus macaque	CTLA-4(37-160) Avi His
CTLA-4	CT4-R5250	Rabbit	CTLA-4(36-161) Fc
DNAM-1	DN1-H82F9	Human	DNAM-1(19-247) Fc Avi
DNAM-1	DN1-H5257	Human	DNAM-1(19-247) Fc
DNAM-1	DN1-H52H6	Human	DNAM-1(19-247) His
DNAM-1	DN1-C52H9	Cynomolgus	DNAM-1(19-252) His
Galectin-9	LG9-H5123	Human	His Galectin-9(2-323)
Galectin-9	LG9-H5244	Human	His Galectin-9(2-323)
HVEM	HVM-H5255	Human	HVEM(39-202) mFc
HVEM	HVM-H5283	Human	HVEM(39-202) Twin-Strep
HVEM	HVM-H5258	Human	HVEM(39-202) Fc
HVEM	HVM-H52E9	Human	HVEM(39-202) His
HVEM	HV4-H82F1	Human	HVEM(39-202) Fc Avi

分子	製品番号	種族	構造
LAG-3	LA3-M82E5	Mouse	* His & Avi tag, specially designed structure
LAG-3	LA3-H52Aa	Human	LAG-3(24-450) mFc
LAG-3	LA3-H522a	Human	LAG-3(24-450) His
LAG-3	LA3-H5255	Human	LAG-3(24-450) Fc
LAG-3	LA3-H525c	Human	LAG-3(24-450) LlamaFc
LAG-3	LA3-H82E5	Human	LAG-3(24-450) His Avi
LAG-3	LA3-H82F3	Human	LAG-3(24-450) mFc Avi
LAG-3	LA3-H82Fb	Human	LAG-3(24-450) Fc Avi
LAG-3	LA3-HP2H3	Human	LAG-3(24-450) His
LAG-3	LA3-H5222	Human	LAG-3(24-450) His
LAG-3	LA3-M52H5	Mouse	LAG-3(24-442) His
LAG-3	LA3-R52H5	Rat	LAG-3(24-442) His
LAG-3	LA3-C5252	Cynomolgus	LAG-3(18-449) Fc
LAG-3	LA3-C52A0	Cynomolgus	LAG-3(18-449) mFc
LAG-3	LA3-M52Ha	Marmoset	LAG-3(18-449) His
Nectin-1	PV1-H5223	Human	Nectin-1(31-334) His
Nectin-1	PV1-H5253	Human	Nectin-1(31-334) Fc
Nectin-2	CD2-H82A3	Human	Nectin-2(32-360) mFc Avi
Nectin-2	CD2-H5257	Human	Nectin-2(32-360) mFc
Nectin-2	CD2-H82F8	Human	Nectin-2(32-360) Fc Avi
Nectin-2	PV2-H5253	Human	Nectin-2(32-360) Fc
Nectin-2	PV2-H52E2	Human	Nectin-2(32-360) His
Nectin-3	PV3-H82F3	Human	Nectin-3(58-400) Fc Avi

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分子	製品番号	種族	構造
Nectin-3	PV3-H5255		Human Nectin-3(58-400) Fc
Nectin-3	PV3-H52E4		Human Nectin-3(58-400) His
PD-1	PD1-H82A4		Human PD-1(25-167) mFc Avi
PD-1	PD1-H52H2		Human PD-1(25-167) His
PD-1	PD1-H52H6		Human PD-1(25-288) His
PD-1	PD1-HP2F2		Human PD-1(25-167) Fc His
PD-1	PD1-H82F4		Human PD-1(25-167) Fc Avi His
PD-1	PD1-H82F1		Human PD-1(25-167) Fc Avi
PD-1	PD1-H5259		Human PD-1(25-167) LlamaFc
PD-1	PD1-H82E4		Human PD-1(25-167) Avi His
PD-1	PD1-H522a		Human PD-1(25-167) His
PD-1	PD1-H5255		Human PD-1(25-167) mFc
PD-1	PD1-H5284		Human PD-1(25-167) Twin-Strep
PD-1	PD1-H5257		Human PD-1(25-167) Fc
PD-1	PD1-H5221		Human PD-1(25-167) His
PD-1	PD1-H82F2		Human PD-1(25-167) Fc Avi His
PD-1	PD1-M5228		Mouse PD-1(25-167) His
PD-1	PD1-M5259		Mouse PD-1(25-167) Fc
PD-1	PD1-M52A4		Mouse PD-1(25-167) mFc
PD-1	PD1-M82F4		Mouse PD-1(25-167) Fc Avi
PD-1	PD1-R5253		Rat PD-1(25-167) Fc
PD-1	PD1-R52H2		Rat PD-1(25-167) His
PD-1	PD1-C82E6		Cynomolgus PD-1(25-167) His Avi

分子	製品番号	種族	構造
PD-1	PD1-C5254		Cynomolgus PD-1(25-167) Fc
PD-1	PD1-C5223		Cynomolgus PD-1(25-167) His
PD-1	PD1-R52H3		Rhesus macaque PD-1(25-167) His
PD-1	PD1-RB5251		Rabbit PD-1(25-167) Fc
PD-1	PD1-R52H0		Rabbit PD-1(25-167) His
PD-1	PD1-C52H9		Canine PD-1(25-168) His
PD-L1	PD1-H52H3		Human PD-L1(19-134) His
PD-L1	PD1-H82A3		Human PD-L1(19-238) mFc Avi
PD-L1	PDL-H82F2		Human PD-L1(19-238) Fc Avi
PD-L1	PDL-H5250		Human PD-L1(19-238) LlamaFc
PD-L1	PDL-H82E4		Human PD-L1(19-134) His Avi
PD-L1	PD1-H5282		Human PD-L1(19-238) Twin-Strep
PD-L1	PD1-H52A3		Human PD-L1(19-238) mFc
PD-L1	PD1-H5258		Human PD-L1(19-238) Fc
PD-L1	PD1-H5229		Human PD-L1(19-238) His
PD-L1	PD1-H82F3		Human PD-L1(19-238) Fc Avi His
PD-L1	PD1-H82E5		Human PD-L1(19-238) Avi His
PD-L1	PD1-M5251		Mouse PD-L1(19-238) Fc
PD-L1	PD1-M5220		Mouse PD-L1(19-238) His
PD-L1	PD1-M52A2		Mouse PD-L1(19-238) mFc
PD-L1	PD1-M82F5		Mouse PD-L1(19-238) Fc Avi
PD-L1	PD1-C5253		Cynomolgus Rhesus macaque PD-L1(19-238) Fc
PD-L1	PD1-C52H4		Cynomolgus Rhesus macaque PD-L1(19-238) His

分子	製品番号	種族	構造
PD-L1	PDL-R52H6	Rabbit	PD-L1(19-238) His
PD-L1	PD1-C52H3	Canine	PD-L1(19-238) Fc
PD-L2	PD2-H52A5	Human	PD-L2(20-219) mFc
PD-L2	PD2-H5251	Human	PD-L2(20-219) Fc
PD-L2	PD2-H5220	Human	PD-L2(20-219) His
PD-L2	PD2-H82F6	Human	PD-L2(20-219) Fc Avi
PD-L2	PD2-H82E8	Human	PD-L2(20-219) Avi His
PD-L2	PD2-M52E3	Mouse	PD-L2(20-219) His
PD-L2	PD2-M5254	Mouse	PD-L2(20-219) Fc
PVRIG	PVG-H82F5	Human	PVRIG(41-171) mFc Avi
PVRIG	PVG-H52H5	Human	PVRIG(41-171) His
PVRIG	PVG-H5259	Human	PVRIG(41-171) mFc
PVRIG	PVG-H82F9	Human	PVRIG(41-171) Fc Avi
PVRIG	PVG-H82E3	Human	PVRIG(41-171) His Avi
PVRIG	PVG-H5257	Human	PVRIG(41-171) Fc
PVRIG	PVG-H52H4	Human	PVRIG(41-171) His
PVRIG	PVG-H82F6	Human	PVRIG(41-171) Fc Avi
PVRIG	PVG-M5253	Mouse	PVRIG(35-165) mFc
PVRIG	PVG-M5257	Mouse	PVRIG(35-165) Fc
PVRIG	PVG-C5253	Cynomolgus	PVRIG(41-171) mFc
PVRIG	PVG-C5259	Cynomolgus	PVRIG(41-171) Fc
SIRP alpha	SIA-H82A3	Human	SIRP alpha(31-370) mFc Avi
SIRP alpha	CDA-H82F2	Human	SIRP alpha(31-370) Fc Avi

分子	製品番号	種族	構造
SIRP alpha	SIA-H82E0		SIRP alpha(31-370) His Avi
SIRP alpha	SIA-HP252		SIRP alpha(31-370) Fc
SIRP alpha	SIA-H52A8		SIRP alpha(31-370) mFc
SIRP alpha	SIA-H5251		SIRP alpha(31-370) Fc
SIRP alpha	SIA-H5225		SIRP alpha(31-370) His
SIRP alpha	SIA-M5252		SIRP alpha(32-373) mFc
SIRP alpha	SIA-M5258		SIRP alpha(32-373) Fc
SIRP alpha	SIA-M52H4		SIRP alpha(32-373) His
SIRP alpha	SIA-C82E2		* His & Avi tag, specially designed structure
SIRP alpha	SIA-C52H7		SIRP alpha(31-370) His
SIRP alpha	SIA-C5254		SIRP alpha(31-370) Fc
SIRP alphaV2	SI2-H52H9		SIRP alpha(31-369) His
SIRP gamma	SIG-H82E3		SIRP gamma(29-364) His Avi
SIRP gamma	SIG-H5253		SIRP gamma(29-364) Fc
TIGIT	TIT-H52H5		TIGIT (22-141) His
TIGIT	TIT-H82F3		TIGIT (22-141) mFc Avi
TIGIT	TIT-H82E6		TIGIT (22-141) His Avi
TIGIT	TIT-H5253		TIGIT (22-141) mFc
TIGIT	TIT-H82F1		TIGIT (22-141) Fc Avi
TIGIT	TIT-H5254		TIGIT (22-141) Fc
TIGIT	TIT-M5253		TIGIT (26-143) mFc
TIGIT	TIT-M52E6		TIGIT (26-143) His
TIGIT	TIT-M5257		TIGIT (26-143) Fc

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分子

製品番号

種族

構造

TIGIT	TIT-R5258	Rat	TIGIT (17-138) Fc	
TIGIT	TIT-C5253	Cynomolgus Rhesus macaque	TIGIT (89-208) mFc	
TIGIT	TIT-C5223	Cynomolgus Rhesus macaque	TIGIT (89-208) His	
TIGIT	TIT-C5254	Cynomolgus Rhesus macaque	TIGIT (89-208) Fc	
TIGIT	TIT-R5259	Rabbit	TIGIT (16-142) Fc	
TIGIT	TIT-C52H7	Rhesus macaque	TIGIT (17-208) His	
TIM-3	TM3-H82E7	Human	TIM-3 (22-200) Avi His	
TIM-3	TM3-H525b	Human	TIM-3 (22-200) mFc	
TIM-3	TM3-H5229	Human	TIM-3 (22-200) His	
TIM-3	TM3-H5258	Human	TIM-3 (22-200) Fc	
TIM-3	TI3-M5252	Mouse	TIM-3 (20-191) Fc	
TIM-3	TI3-M52H1	Mouse	TIM-3 (20-191) His	
TIM-3	TI3-C525b	Cynomolgus	TIM-3 (22-201) Fc	
TIM-3	TI3-C52H4	Cynomolgus	TIM-3 (22-201) His	

■ 免疫共刺激分子製品リスト

分子	製品番号	種族	構造
4-1BB	41B-H5256		Human 4-1BB(24-186) mFc
4-1BB	41B-H82E6		Human 4-1BB(24-186) His Avi
4-1BB	41B-H82F7		Human 4-1BB(24-186) Fc Avi
4-1BB	41B-H5253		Human 4-1BB(24-186) His Avi
4-1BB	41B-H5258		Human 4-1BB(24-186) Fc
4-1BB	41B-H52Hc		Human 4-1BB(24-186) His
4-1BB	41B-H82E4		Human 4-1BB(87-186) His Avi
4-1BB	41B-M5258		Mouse 4-1BB(24-211) Fc
4-1BB	41B-M52H7		Mouse 4-1BB(24-211) His
4-1BB	41B-R52H3		Rat 4-1BB(24-187) His
4-1BB	41B-C52H4		Cynomol 4-1BB(24-186) His
4-1BB	41B-R52H9		Rabbit 4-1BB(29-191) His
4-1BB	41B-C5253		Canine 4-1BB(24-185) Fc
4-1BB Ligand	41L-H5265		Human *Fc tag, specially designed structure
4-1BB Ligand	41L-H52D4		Human *His &Flag tag, specially designed structure
4-1BB Ligand	41L-H5254		Human 4-1BB Ligand(50-254) Fc
4-1BB Ligand	41L-H82F9		Human 4-1BB Ligand(50-254) Fc Avi
4-1BB Ligand	41L-M5257		Mouse 4-1BB Ligand(104-309) Fc
4-1BB Ligand	41L-R52D3		Rat His Flag 4-1BB Ligand(106-308)
4-1BB Ligand	41L-C5254		Cynomolgus Fc 4-1BB Ligand(67-251)
B7-H6	B76-H52H8		Human B7-H6(25-262) His

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分子	製品番号	種族	構造
B7-H6	B76-H82Wb	Human	B7-H6(25-262) Fc Avi
B7-H6	B76-H82E5	Human	B7-H6(25-262) His Avi
B7-H6	B76-C52Ha	Cynomolgus	B7-H6(25-259) His
B7-H7	B77-H5257	Human	B7-H7(23-344) Fc
B7-H7	B77-H52H5	Human	B7-H7(23-344) His
B7-H7	B77-H82E3	Human	B7-H7(23-344) His Avi
B7-H7	B77-H82F5	Human	B7-H7(23-344) Fc Avi
B7-H7	B77-C52H3	Cynomolgus	B7-H7(23-345) His
CD27	CD7-H522b	Human	CD27(21-192) His
CD27	CD7-H5257	Human	CD27(21-192) mFc
CD27	TN7-H82F6	Human	CD27(21-192) Fc Avi
CD27	CD7-H5254	Human	CD27(21-192) Fc
CD27	CD7-M5252	Mouse	CD27(21-182) mFc
CD27	CD7-C5259	Cynomolgus Rhesus macaque	CD27(20-191) mFc
CD27 Ligand	CDD-HF2D4	Human	His Flag CD27 Ligand(52-193)
CD27 Ligand	CDL-H52Da	Human	* His & Flag tag, specially designed structure
CD27 Ligand	CDL-H82D7	Human	* His & Avi tag, specially designed structure
CD27 Ligand	CDL-H525a	Human	mFc CD27 Ligand(39-193)
CD27 Ligand	CDL-H5266	Human	* Fc tag, specially designed structure
CD27 Ligand	CDL-M5245	Mouse	His CD27 Ligand(47-195)
CD27 Ligand	CDL-M5251	Mouse	mFc CD27 Ligand(47-195)
CD27 Ligand	CDL-M82Qb	Mouse	His Avi CD27 Ligand(47-195)
CD28	CD8-M5257	Mouse	CD28 (20-149) Fc

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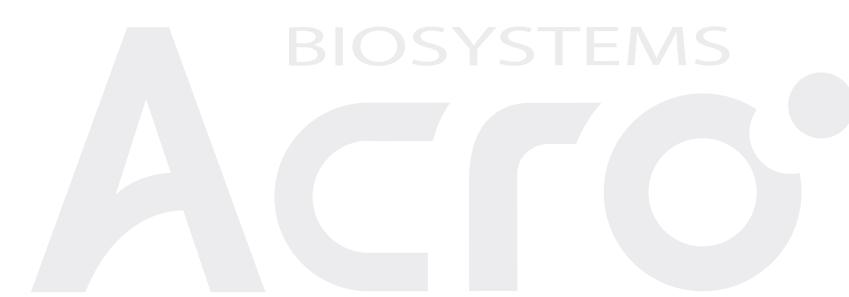
分子	製品番号	種族	構造
CD28	CD8-M52H6	Mouse	CD28 (20-149) His
CD28	CD8-M82E3	Mouse	CD28 (20-149) His Avi
CD28	CD8-H525a	Human / Cynomolgus Rhesus macaque	CD28 (19-152) Fc
CD28	CD8-H52A5	Human / Cynomolgus Rhesus macaque	CD28 (19-152) mFc
CD28	CD8-H52Hc	Human / Cynomolgus Rhesus macaque	CD28 (19-152) His
CD28	CD8-H82E5	Human / Cynomolgus Rhesus macaque	CD28 (19-152) His Avi
CD28	CD8-H82F2	Human / Cynomolgus Rhesus macaque	CD28 (19-152) Fc Avi
CD28	CD8-HF2H4	Human / Cynomolgus Rhesus macaque	* His tag, specially designed structure
CD28H	CDH-H52H3	Human	CD28H (23-150) His
CD28H	CDH-H5251	Human	CD28H (23-150) Fc
CD30	CD0-H52H5	Human	CD30 (19-379) His
CD30	CD0-H82E6	Human	CD30 (19-379) Avi His
CD30	CD0-H5250	Human	CD30 (19-379) Fc
CD30	TN8-H5250	Human	CD30 (19-379) LlamaFc
CD30	CD0-HF2H4	Human	CD30 (19-379) His
CD30	CD0-HP2E3	Human	CD30 (Phe 19- Lys 379) NP_001234.2 Poly-his
CD30	CD0-H82F4	Human	CD30 (19-379) Fc Avi
CD30	CD0-C52H4	Canine	CD30 (1-284) His
CD30 ligand	CDL-H524b	Human	His CD30 Ligand (63-234)
CD30 ligand	CDL-H525b	Human	mFc CD30 Ligand (63-234)
CD40	CD0-H5253	Human	CD40 (21-193) Fc
CD40	CD0-H5228	Human	CD40 (21-193) His

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分子	製品番号	種族	構造
CD40	CD0-H525a	Human	CD40 (21-193) mFc 
CD40	TN5-H82F9 	Human	CD40 (21-193) Fc Avi 
CD40	CD0-H82E8 	Human	CD40 (21-193) Avi His 
CD40	TN5-M52H8	Mouse	CD40 (21-193) His
CD40	TN5-M5259	Mouse	CD40 (21-193) Fc
CD40	CD0-M82F3 	Mouse	CD40 (24-193) Fc Avi 
CD40	CD0-C52H6	Cynomolgus	CD40 (21-193) His
CD40	CD0-C5259	Rhesus macaque	CD40 (21-193) Fc
CD40	CD0-C52H7	Rhesus macaque	CD40 (21-193) His
CD40	CD0-R52H9	Rabbit	CD40 (77-249) His 
CD40 Ligand	CDL-H82Db 	Human	Avi His FFlag CD40 Ligand(116-261) 
CD40 Ligand	CDL-H5269	Human	* Fc tag, specially designed structure 
CD40 Ligand	CDL-H52Db	Human	* His & Flag tag, specially designed structure 
CD40 Ligand	CDL-H82F1 	Human	Avi Fc CD40 Ligand(113-261)
CD40 Ligand	CDL-M526x	Mouse	Fc CD40 Ligand(115-260)
CD40 Ligand	CDL-M5248	Mouse	His CD40 Ligand(115-260)
CD40 Ligand	CDL-M82H5 	Mouse	* His & Avi tag, specially designed structure 
CD40 Ligand	CDL-H5256	Human Rhesus macaque	mFc CD40 Ligand(113-261)
CD48	BC1-H5255	Human	CD48(27-220) Fc
CD48	BC1-H5258	Human	CD48(27-220) mFc
CD48	BC1-H5226	Human	CD48(27-220) His
GITR	GIR-H5254	Human	GITR(26-161) Fc

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分子	製品番号	種族	構造
GITR	GIR-H525a		Human GITR(26-161) mFc
GITR	GIR-H82F7		Human GITR(26-161) Fc Avi
GITR	GIR-H5228		Human GITR(26-161) His
GITR	GIR-H82E1		Human GITR(26-161) His Avi
GITR	GIR-M5220		Mouse GITR(22-153) His
GITR	GIR-R5222		Rat GITR(20-121) His
GITR	GIR-R5253		Rat GITR(20-121) Fc
GITR	GIR-C5255		Rhesus macaque GITR(26-161) Fc
GITR	GIR-C52H6		Canine GITR(23-154) His
GITR Ligand	GIL-H5249		Human His GITR Ligand(50-177)
GITR Ligand	GIL-H82F8		Human Avi Fc GITR Ligand(50-177)
GITR Ligand	GIL-H526a		Human Fc GITR Ligand(50-177)
GITR Ligand	GIL-M526x		Mouse Fc GITR Ligand(47-173)
ICOS	ICS-H5258		Human ICOS(21-141) Fc
ICOS	ICS-H52H6		Human C136S,C137S ICOS(21-141) His
ICOS	ICS-H82E5		Human C136S,C137S ICOS(21-141) His Avi
ICOS	ICS-M5259		Mouse C137S,C138S ICOS(21-141) Fc
ICOS	ICS-M52H8		Mouse C137S,C138S ICOS(21-141) His
ICOS	ICS-C5257		Cynomolgus ICOS(20-141) Fc
ICOS ligand	B72-H5254		Human B7-H2(19-258) Fc
ICOS ligand	B72-H5221		Human B7-H2(19-258) His
ICOS Ligand	B72-M5258		Mouse B7-H2(49-279) Fc



分子	製品番号	種族	構造
ICOS Ligand	B72-M52H7	Mouse	B7-H2(47-279) Fc His
ICOS Ligand	B72-C525b	Cynomolgus	B7-H2(19-256) Fc
ICOS Ligand	B72-C52Hb	Cynomolgus	B7-H2(19-256) His
LIGHT	LIT-H5256	Human	mFc LIGHT(74-240)
LIGHT	LIT-H5269	Human	* Fc tag, specially designed structure
LIGHT	LIT-H5242	Human	* His tag, specially designed structure
NKp30	NC3-H5228	Human	NKp30(19-135) His
NKp30	NC3-H5259	Human	NKp30(19-135) Fc
OX40	TN4-H82E4	Human	OX40(29-216) Avi His
OX40	OX0-H5252	Human	OX40(29-216) mFc
OX40	OX0-H5224	Human	OX40(29-216) His
OX40	OX0-H82F7	Human	OX40(29-216) Fc Avi
OX40	OX0-H5255	Human	OX40(29-216) Fc
OX40	OX0-M5228	Mouse	OX40(20-211) His
OX40	OX0-M82E5	Mouse	OX40(20-211) His Avi
OX40	OX0-M5259	Mouse	OX40(20-211) Fc
OX40	OX0-R5253	Rat	OX40(20-210) Fc
OX40	OX0-C5220	Cynomolgus Rhesus macaque	OX40(28-214) His
OX40	OX0-C5251	Cynomolgus Rhesus macaque	OX40(28-214) Fc
OX40	OX0-R5254	Rabbit	OX40(19-208) Fc
OX40	OX0-M522b	Marmoset	OX40(29-214) His
OX40 Ligand	OXL-H82F4	Human	Avi Fc OX40 Ligand(51-183)

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分子	製品番号	種族	構造
OX40 Ligand	OXL-H82Q6	Human	His OX40 Ligand(51-183)
OX40 Ligand	OXL-H52Q8	Human	His OX40 Ligand(51-183)
OX40 Ligand	OXL-H5250	Human	OX40 Ligand(51-183)
OX40 Ligand	OXL-M526x	Mouse	Fc OX40 Ligand(49-198)
OX40 Ligand	TN4-M5241	Mouse	His OX40 Ligand(49-198)
OX40 Ligand	OXL-R5259	Cynomolgus Rhesus macaque	mFc OX40 Ligand(51-183)

■ 他の免疫チェックポイント分子リスト

分子	製品番号	種族	構造
2B4	2B4-H82E9		Human 2B4(22-221) Avi His
2B4	2B4-H5255		Human 2B4(22-221) Fc
2B4	2B4-H5224		Human 2B4(22-221) His
BLAME	BLE-H82E4		Human BLAME(23-233) His Avi
BTN1A1	BT1-H82E6		Human BTN1A1(27-242) His Avi
BTN1A1	BT1-H5253		Human BTN1A1(27-242) Fc
BTN1A1	BT1-H5222		Human BTN1A1(27-242) His
BTN3A1	BT1-H82F7		Human BTN3A1(30-254) Fc Avi
BTN3A1	BT1-H5255		Human BTN3A1(30-254) Fc
BTN3A2	BT2-H82E7		Human BTN3A2(30-248) His Avi
BTN3A3	BT3-H52H0		Human BTN3A3(30-248) His
CD161	CD1-H5253		Human Fc CD161(67-225)
CD161	CD1-H82E3		Human His Avi CD161(67-225)
CD161	CD1-H52H3		Human His CD161(67-225)
CD229	CD9-H82E6		Human CD229(48-454) His Avi
CD229	CD9-H52H6		Human CD229(48-454) His
CD84	CD4-H5229		Human CD84(22-225) His
CD84	CD4-H82E5		Human CD84(22-225) His Avi
LAIR-1	LA1-H5253		Human LALR-1(22-163) mFc
LAIR-1	CD5-H52H1		Human LALR-1(22-163) His
LAIR-1	LA1-H82E3		Human LALR-1(22-163) His Avi
LAIR-1	LA1-H5252		Human LALR-1(22-163) Fc

分子	製品番号	種族	構造
LAIR-1	LA1-M5254	Mouse	LALR-1(22-141) mFc
LAIR-1	LA1-C52A3	Rhesus macaque	LALR-1(22-165) mFc
LAIR-2	LA2-H5220	Human	LALR-2(22-152) His
LAIR-2	LA2-H82E4	Human	LALR-2(22-152) His Avi
LILRA1	LI1-H82E8	Human	LILRA1(17-461) His Avi
LILRA2	LI2-H82E9	Human	LILRA2(24-449) His Avi
LILRA3	LI3-H82E0	Human	LILRA3(24-439) His Avi
LILRA5	LI5-H82E1	Human	LILRA5(24-268) His Avi
LILRA6	LI6-H82E2	Human	LILRA6(24-447) His Avi
LILRB1	CDJ-H82F7	Human	LILRB1(24-458) Fc Avi
LILRB1	CDJ-H5252	Human	LILRB1(24-458) Fc
LILRB2	CDD-H5259	Human	LILRB2(22-461) Fc
LILRB2	LI2-H82F5	Human	LILRB2(22-461) Fc Avi
LILRB2	LI2-H5220	Human	LILRB2(22-461) His
LILRB2	LI2-C82E3	Cynomolgus	LILRB2(22-448) His
LILRB2	LI2-C52H3	Cynomolgus	LILRB2(22-448) His
LILRB3	CDA-H5250	Human	LILRB3(24-443) Fc
LILRB3	CDA-H52H9	Human	LILRB3(24-443) His
LILRB3	CDA-H82F6	Human	LILRB3(24-443) Fc Avi
LILRB4	LI4-HF254	Human	LILRB4(22-259) Fc
LILRB4	LI4-H82E4	Human	LILRB4(22-259) His Avi
LILRB4	LI4-HF2H3	Human	LILRB4(22-259) His



分子	製品番号	種族	構造
LILRB4	LI4-H82F7 	 Human	* Avi tag, specially designed structure
LILRB4	LI4-H52H7	 Human	LILRB4(22-259) His
LILRB4	LI4-H5259	 Human	LILRB4(22-259) Fc
LILRB4	CDK-H5259	 Human	LILRB4(22-259) mFc
LILRB4	CDK-M5229	 Mouse	LILRB4(24-238) His
LILRB4	CDK-M5250	 Mouse	LILRB4(24-238) Fc
LILRB4	CDK-C5227	 Cynomolgus	LILRB4(22-259) His
LILRB4	CDK-C5258	 Cynomolgus	LILRB4(22-259) Fc
LILRB4	LI4-C5250	 Cynomolgus	LILRB4(22-259) mFc
LILRB5	CDC-H5220	 Human	LILRB5(24-458) His
LILRB5	CDC-H82F8 	 Human	LILRB5(24-458) Fc Avi
MARCO	MAR-H5243	 Human	His MARCO(79-520)
MARCO	MAR-H82E4 	 Human	Avi His MARCO(65-520)
MARCO	MAR-M5245	 Mouse	His MARCO(70-518)
MARCO	MAR-M5246	 Mouse	His MARCO(421-518)
MARCO	MAR-C5248	 Cynomolgus	His MARCO(69-520)
MSP1D1	APO-H81Q5 	 Human	* His & Avi tag, specially designed structure
Nectin-1	PV1-H5223	 Human	Nectin-1(31-334) His
Nectin-1	PV1-H5253	 Human	Nectin-1(31-334) Fc
Nectin-4	NE4-HF2H3 	 Human	Nectin-4(32-349) His
Nectin-4	NE4-H52H3	 Human	Nectin-4(32-349) His
Nectin-4	NE4-H82E7 	 Human	Nectin-4(32-349) His Avi

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分子	製品番号	種族	構造
Nectin-4	NE4-H5255		Nectin-4(32-349) Fc
Nectin-4	NE4-M5257		Nectin-4(31-347) Fc
Nectin-4	NE4-M52Ha		Nectin-4(31-347) His
Nectin-4	NE4-M52H3		Nectin-4(31-347) His
Nectin-4	NE4-R5255		Nectin-4(28-348) Fc
Nectin-4	NE4-C52H4		Nectin-4(32-349) His
NTB-A	NTA-H82E6		NTB-A(22-226) His Avi
NTB-A	NTA-H52Ha		NTB-A(22-226) His
SLAMF1	SL1-H52H0		SLAMF1(21-237) His
SLAMF1	SL1-H82E3		SLAMF1(21-237) His Avi
SLAMF7	SL7-HP2H3		SLAMF7(23-226) Avi His
SLAMF7	SL7-H82E0		SLAMF7(23-226) Avi His
SLAMF7	SL7-HF2H7		SLAMF7(23-226) His
SLAMF7	SL7-H5225		SLAMF7(23-226) His
SLAMF7	SL7-H5256		SLAMF7(23-226) Fc
SLAMF7	SL7-M5252		SLAMF7(22-224) mFc
SLAMF7	SL7-R52H7		SLAMF7(23-226) His
TREM2	TR2-H5254		TREM2(19-174) Fc
TREM2	TR2-H52H5		TREM2(19-174) His
TREM2	TR2-H82E7		TREM2(19-174) His Avi
TREM2	TR2-H5256		TREM2(19-174) mFc
TREM2	TR2-M5254		TREM2(19-171) Fc

分子

製品番号

種族

構造

TREM2

TR2-M52H3



Mouse

TREM2(19-171) His

TREM2

TR2-C52H3



Cynomolgus

TREM2(19-174) His

■ 阻害剤スクリーニングキット製品リスト

弊社はPD1: PD-L1 (Cat. No. EP-101) とCD47: SIRP alpha (Cat. No. EP-102) の阻害剤スクリーニングキットを開発しています。

製品番号	製品情報	測定範囲(μg/mL)
EP-101	PD-1 [Biotinylated] : PD-L1 Inhibitor Screening ELISA Assay Pair	10-0.078
EP-102	CD47: SIRP alpha [Biotinylated] Inhibitor Screening ELISA Assay Pair	10-0.04

- > **早くて便利:** 事前にビオチンで標識をしたタンパク質は標記する必要がなく、時間が大幅に節約され、実験プロセスが簡単になります。
- > **中和抗体:** 中和抗体がポジティブコントロールとして使われています。
- > **高スループットな製品ラインナップがある:** 96ウェルプレートと480ウェルプレートを提供し、阻害剤のハイスループットスクリーニングができます。
- > **検出感度と再現性が良好である:** ユニークなビオチン標識フラットフォームを使っているので、精製されたビオチン化タンパク質は検出感度が高く、ロットの一貫性も高い。キットの検出感度も良好で、結果の再現性も高いです。

抑制性抗体又は小分子に迅速かつハイスループットスクリーニングを確実にし、研究開発の効率を向上させます。



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Advance Biomedicine

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BIOSYSTEMS



Her2 BAFFR LAG-3
Fc Receptor Siglec-10
Biotinylated Protein
PD-L1 VEGF165 CD3 epsilon
CD20 PD-1 BCMA
CD27 PVRIG
CD47 PSMA
FGL1 TFPI
Siglec-15 Integrin
CD24 CD3E & CD3D **CD20**
CD19 FcRn PCSK9 IL-2 R alpha
CAR-T Target Protein
Glycican 3 Integrin
FcRn ADA Service MICA
EGF R B7-H3 BCMA CD30 CD3E & CD3G
Integrin TIGIT TGF-beta 1
4-1BB Siglec-15
Biotinylated Protein
CD20 CD200 GITR Nectin-4
VEGF165 CD73 FGLI
PCSK9 CD40 CD69 Nectin-4
IgG1 Fc BCMA PD-L1
SIRP alpha ADA Service PSMA
Nectin-4 Biotinylated Protein CD3E & CD3D
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