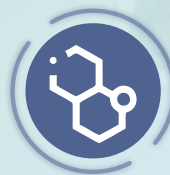


重组蛋白

RECOMBINANT PROTEINS



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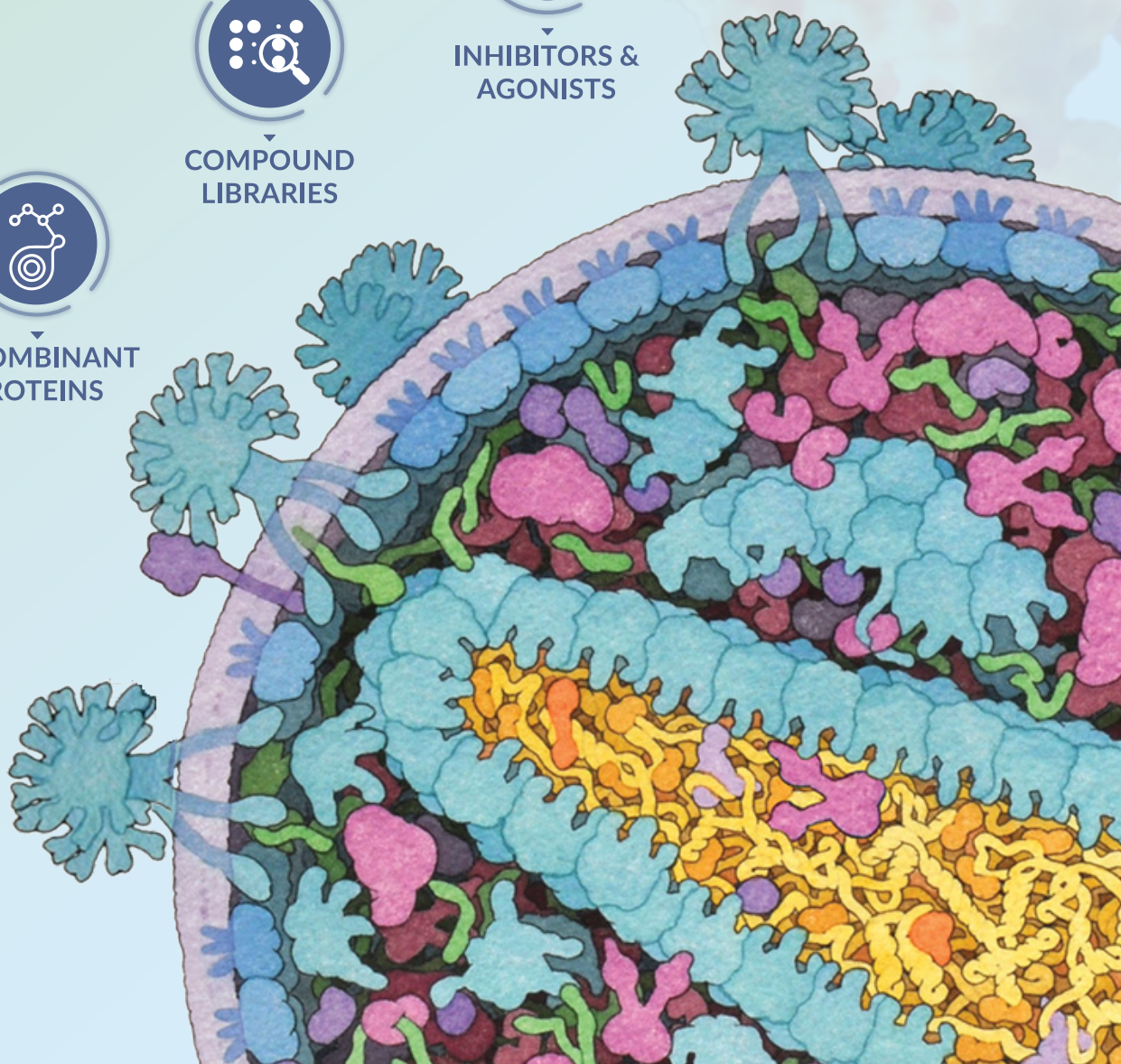
RECOMBINANT
PROTEINS



NATURAL
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重组蛋白

重组蛋白 (Recombinant Protein) 是通过使用重组 DNA 或 RNA 的基因工程技术, 在宿主细胞中产生的蛋白质。相较于天然提取的蛋白质, 重组蛋白具有更广泛的来源、更高的产量和更可控的质量, 因而在生命科学研究和医药开发中扮演着重要角色。重组蛋白的应用范围极为广泛, 包括但不限于细胞培养、活性测定、蛋白质结构与功能的探究、免疫学研究、药物研发、细胞疗法、病毒学研究以及酶学研究等前沿领域。

TargetMol 目前供应的重组蛋白产品多达 13,000 余种, 涵盖了细胞因子、生长因子、受体蛋白、酶和病毒蛋白等多个类别。这些产品使用多种表达系统, 并提供丰富的物种选项与标签选择。为确保蛋白稳定性, 我们的产品主要以冻干形式供应, 并保证了严格的质量控制、高批次一致性、高纯度和低内毒素水平。

产品优势

种类丰富

细胞因子和生长因子、Fc 受体蛋白、CAR-T 细胞治疗靶点蛋白、免疫检查点蛋白、受体蛋白、CD 蛋白、酶类、激素、补体系统、病毒蛋白、荧光蛋白等

表达系统多样

大肠杆菌、酵母、哺乳动物细胞、昆虫 - 杆状病毒、无细胞、VLP 平台等

经验证的活性

生物活性、结合活性、酶活等测试

低内毒素

LAL 法测定, 内毒素含量低于 1 EU/ μ g, 部分产品低于 0.01 EU/ μ g

种属丰富

人、小鼠、大鼠、猴、猫、狗、牛、羊、鸡、猪、兔、病毒、细菌、真菌、植物等

标签选择多样

Tag Free、His、Flag、Avi、Myc、HA、SUMO、T7、Fc、GST 等

高纯度

SDS-PAGE 和 HPLC 检测

高稳定性

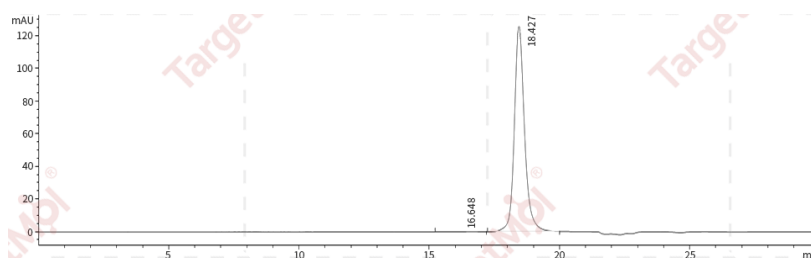
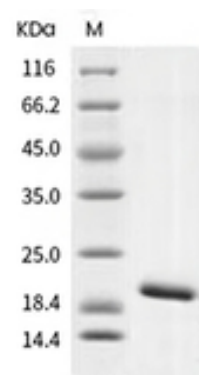
批次间高稳定性, 确保实验的可重复性

不含载体

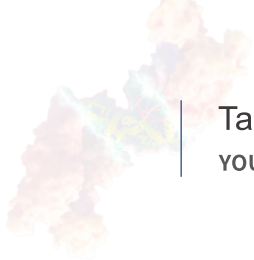
缓冲体系不含牛血清白蛋白 (BSA)

产品数据展示

高纯度重组蛋白

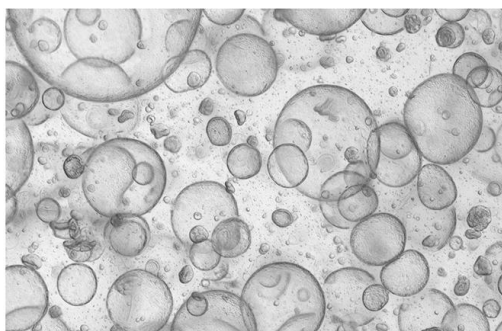
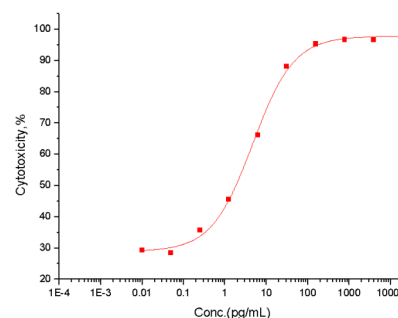


The purity of Human IL-1 beta Protein (TMPY-01049) was > 95% determined by SDS-PAGE and > 95% determined by SEC- HPLC.



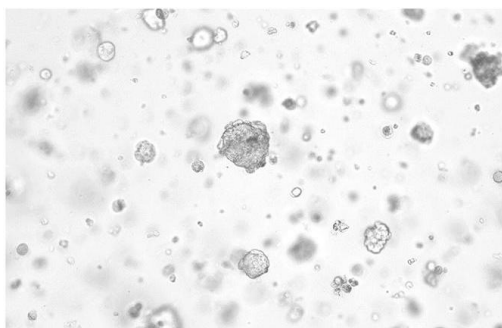
高生物活性重组蛋白

The activity of Human TNF alpha Protein (TMPY-00936) was measured in a cytotoxicity assay using L929 mouse fibrosarcoma cells in the presence of the metabolic inhibitor actinomycin D. The ED_{50} for this effect is typically 3-30 pg/mL.



—

Human kidney organoids were cultured with FGF7 (Cat#TMPY-00403), EGF (Cat#TMPY-03701), FGF10 (Cat#TMPY-01061), NOG (Cat#TMPY-02594), RSPO1 (Cat#TMPY-03626), HGF (Cat#TMPY-02327), FGF4 (Cat#TMPY-05004).



—

Human breast cancer organoids were cultured with FGF7 (Cat#TMPY-00403), RSPO1 (Cat#TMPY-03626), IGF1 (Cat#TMPY-06982), EGF (Cat#TMPY-03701), NRG1 Beta 1 (Cat#TMPY-02600), NOG (Cat#TMPY-02594).



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细胞因子和生长因子

细胞因子是一类在细胞信号传导中起关键作用的小蛋白质，通常通过与目标细胞表面的特定受体相互作用发挥功能。生长因子则是具有生物活性的分泌性分子，能够影响细胞生长。这些因子广泛用于细胞培养、分化、干细胞和类器官培养、细胞治疗、药物开发及疫苗研究等^{[1][2]}。

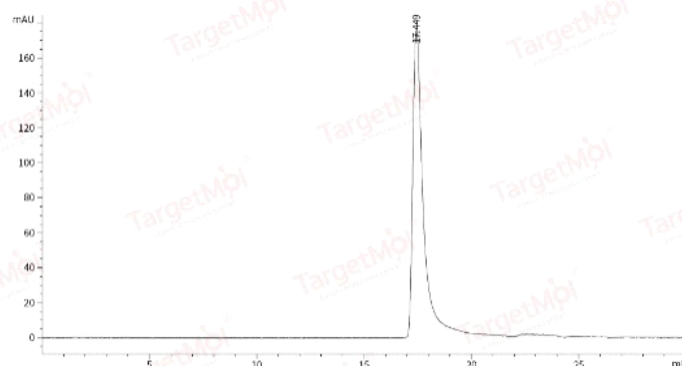
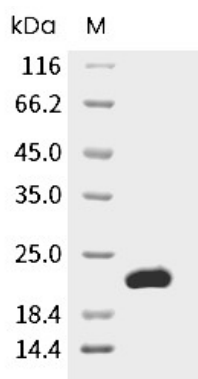
TargetMol 提供的细胞因子和生长因子种类丰富，具有高纯度、高活性、低内毒素和高稳定性，特别适合用于干细胞、免疫细胞等的体外培养，以维持细胞的生长、增殖和分化。

产品数据展示

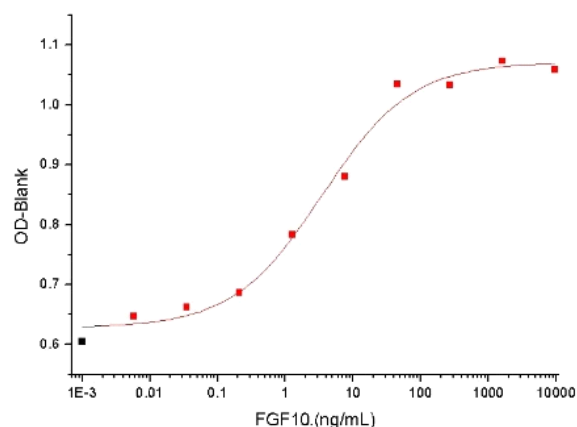
FGF-10 Protein, Human, Recombinant (TMPY-01061)

内毒素: < 5 EU per mg of the protein.

纯度: The purity of FGF-10 Protein, Human, Recombinant (TMPY-01061) was >95% as determined by SDS-PAGE and >95% as determined by SEC-HPLC.

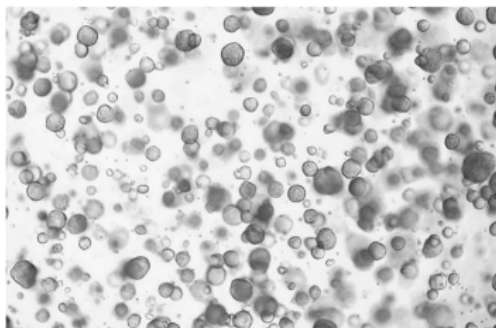


活性: Measured in a cell proliferation assay using BaF3 mouse pro-B cells transfected with human FGFR2b. The ED_{50} for this effect is typically 3-30 ng/mL.

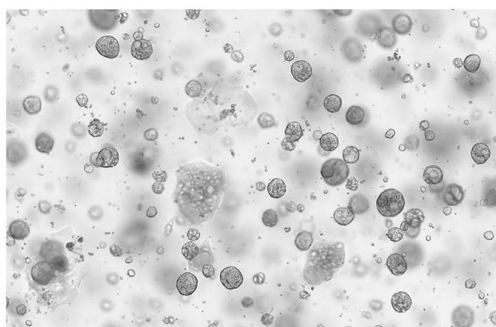




肺、肝癌、肾癌、胃癌等9种类器官培养验证



Human lung organoids were cultured with FGF2 (Cat#TMPY-00749), FGF4 (Cat#TMPY-05004), FGF7 (Cat#TMPY-00403), EGF (Cat#TMPY-03701), FGF10 (Cat#TMPY-01061), NOG (Cat#TMPY-02594), RSPO1 (Cat#TMPY-03626).



Human liver cancer organoids were cultured with FGF2 (Cat#TMPY-00749), HGF (Cat#TMPY-02327), FGF7 (Cat#TMPY-00403), EGF (Cat#TMPY-03701), FGF10 (Cat#TMPY-01061), TGFB1 (Cat#TMPY-02638), NOG (Cat#TMPY-02594), RSPO1 (Cat#TMPY-03626).

细胞因子和生长因子特色产品列表

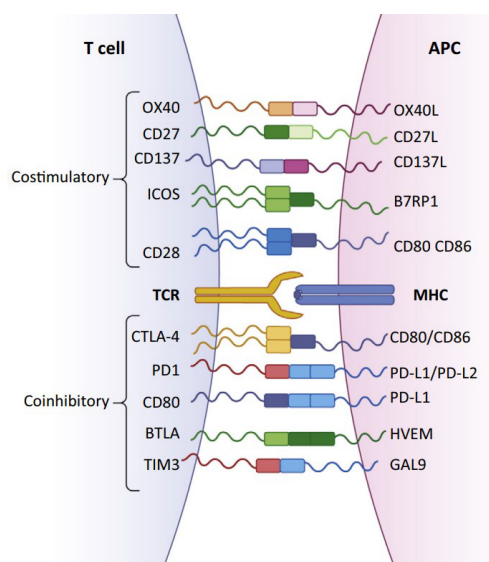
产品编号	蛋白名称	种属	表达系统	标签	纯度	活性
TMPY-00083	Angiopoietin-2	Human	HEK293	His	>95%	Binding Activity
TMPY-01136	BMP-2	Human/Mouse/Rat/Rhesus/Canine	E. coli	Tag Free	>95%	Cell Activity
TMPY-06842	BMP-4	Human	E. coli	Tag Free	≥95%	Cell Activity
TMPY-01560	EGF	Human	E. coli	Tag Free	≥95%	Cell/Organoid Activity
TMPY-01061	FGF-10	Human	E. coli	Tag Free	≥95%	Cell Activity
TMPY-00749	FGF-2/FGFb	Human	E. coli	Tag Free	≥95%	Cell/Organoid Activity
TMPY-05004	FGF-4	Human	E. coli	Tag Free	≥95%	Cell Activity
TMPY-03382	FGF-6	Human	E. coli	Tag Free	>95%	Cell Activity
TMPY-00403	FGF-7/KGF	Human	E. coli	His	≥95%	Cell Activity
TMPY-05636	G-CSF	Mouse	HEK293	Tag Free	>95%	Cell/Binding Activity
TMPJ-01465	GM-CSF	Human	E.coli	Tag Free	>95%	Cell Activity
TMPY-02327	HGF	Human	CHO	Tag Free	≥95%	Cell/Binding Activity
TMPY-06983	IFN gamma	Human	E. coli	Tag Free	≥95%	Cell Activity
TMPY-03145	IFN-beta	Human	CHO	Tag Free	>95%	Cell Activity
TMPY-06982	IGF1	Human	E. coli	Tag Free	>95%	Cell/Organoid/Binding Activity
TMPY-02134	IL-1 beta	Mouse	E. coli	Tag Free	>97%	Cell Activity
TMPY-03547	IL-10	Human	E. coli	Tag Free	>95%	Cell/Binding Activity

产品编号	蛋白名称	种属	表达系统	标签	纯度	活性
TMPY-04632	IL-15	Human	E. coli	Tag Free	≥95%	Cell/Binding Activity
TMPJ-01463	IL-2	Human	E. coli	Tag Free	>95%	Cell/Binding Activity
TMPY-06258	IL-2	Human	HEK293	Tag Free	>95%	Cell/Binding Activity
TMPY-00406	IL-23	Human	HEK293	His	>90%	Cell Activity
TMPY-01862	IL-4	Human	E. coli	Tag Free	≥95%	Cell Activity
TMPY-03383	IL-7	Human	E. coli	Tag Free	≥95%	Cell Activity
TMPY-00464	M-CSF/CSF1	Mouse	HEK293	Tag Free	>95%	Cell/Binding Activity
TMPY-05202	Noggin	Human	HEK293	Tag Free	≥95%	Cell Activity
TMPJ-00735	PDGF-BB	Human	E. coli	Tag Free	>98%	Cell Activity
TMPY-03626	R-Spondin 1	Human	CHO	Tag Free	≥95%	Cell/Organoid Activity
TMPY-02638	TGF beta 1	Human/Rhesus/ Cynomolgus/Canine	CHO	Tag Free	>95%	Cell Activity
TMPY-00936	TNF alpha	Human	E. coli	Tag Free	≥95%	Cell/Binding Activity
TMPJ-00864	VEGF165	Human	HEK293	Tag Free	>95%	Binding Activity
TMPY-06987	Wnt3a	Human	HEK293	hFc	≥90%	Cell Activity

免疫检查点蛋白

免疫检查点是免疫细胞表面的关键调节因子，帮助免疫系统识别自身细胞和外来病原体，防止免疫系统过度活化。在肿瘤微环境中，癌细胞可能通过这些检查点逃避免疫攻击。为此，开发了针对这些检查点的药物，如免疫检查点抑制剂，用于癌症治疗。这类药物通过阻断检查点，重新激活 T 细胞攻击癌细胞，增强抗肿瘤免疫反应。目前研究较多的抑制性免疫检查点包括 CTLA-4 和 PD-1/PD-L1 路径^{[3][4]}。

免疫检查点阻断实验需要高纯度蛋白，TargetMol 可提供一系列不同种属和带有不同标签及标记的高纯度免疫检查点蛋白，适用于免疫实验和抗体筛选，以及癌症、肿瘤和自身免疫病等领域的抗体药物开发。



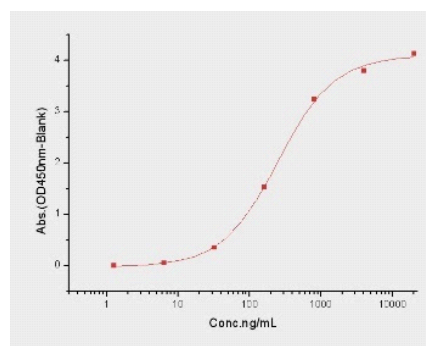
免疫突触中的共刺激和共抑制受体^[5]

产品数据展示

PD-1 Protein, Human, Recombinant (His) (TMPY-00897)

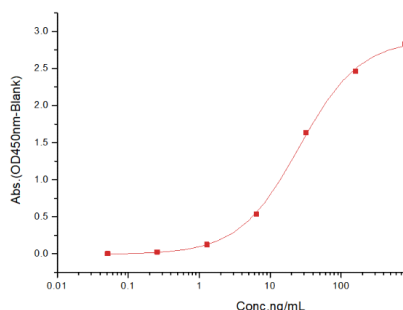
受体结合验证

Immobilized PD-1 Protein, Human, Recombinant (His) at 2 $\mu\text{g/mL}$ (100 $\mu\text{L/well}$) can bind PD-L1 Protein, Human, Recombinant (ECD, hFc Tag), the EC_{50} of Human PD-L1 is 150-600 ng/mL.



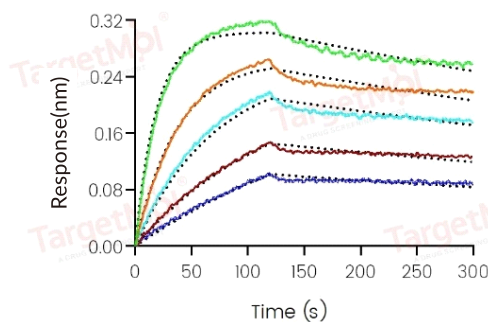
抗体结合验证

Immobilized PD-1 Protein, Human, Recombinant (His) at 2 $\mu\text{g/mL}$ (100 $\mu\text{L/well}$) can bind Anti-PD1 (MDX)-IgG4 Antibody (Nivolumab), the EC_{50} is 8-60 ng/mL.

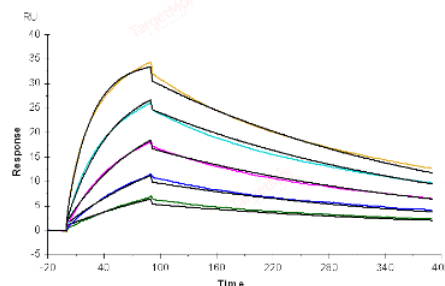


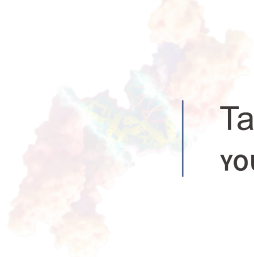
亲和力验证

Loaded Anti-human PD1 antibody, IgG4 on ProA Biosensor, can bind PD-1 Protein, Human, Recombinant (His) with an affinity constant of 2.44 nM as determined in a BLI assay.



Captured Anti-PD1 Mab (Human IgG4) on proA Chip can bind PD-1 Protein, Human, Recombinant (His) with an affinity constant of 10.03 nM as determined in a SPR assay.





免疫检查点蛋白特色产品列表

产品编号	蛋白名称	种属	表达系统	标签	纯度	活性
TMPY-01743	4-1BB	Human	HEK293	His	≥95%	ELISA
TMPJ-00139	4-1BBL	Human	E. coli	His	>95%	ELISA/BLI
TMPY-01063	B7-1	Human	HEK293	His	≥95%	ELISA/BLI
TMPY-02031	B7-H3	Human	HEK293	His	≥98%	ELISA
TMPY-03524	B7-H4	Human	HEK293	His	>95%	ELISA
TMPK-01066	BTLA	Human	HEK293	His&Avi	>95%	ELISA/SPR
TMPY-01386	CD155/PVR	Human	HEK293	His	≥97%	ELISA/BLI
TMPY-01180	CD86	Human	HEK293	His	>97%	ELISA/BLI
TMPY-02011	CD96	Human	HEK293	His	>90%	ELISA
TMPY-04824	CTLA-4	Human	HEK293	Tag Free	>95%	ELISA
TMPY-01152	DNAM-1/CD226	Human	HEK293	His	≥97%	ELISA
TMPY-04989	Galectin-9	Human	HEK293	hFc	>90%	Testing in progress
TMPY-00072	GITR	Human	HEK293	His	>95%	ELISA
TMPK-00053	GITRL	Human	HEK293	His&Flag	>95%	ELISA
TMPY-01750	HVEM	Human	HEK293	His	≥90%	ELISA
TMPY-05156	ICOS	Human	HEK293	rFc	>95%	ELISA
TMPY-01672	ICOSL	Human	HEK293	His	>98%	ELISA
TMPY-04730	LAG-3	Human	HEK293	His	≥95%	ELISA/BLI/SPR
TMPY-00748	Nectin-2	Human	HEK293	Tag Free	≥95%	ELISA/BLI
TMPY-01154	Nectin-3	Human	HEK293	His	>98%	ELISA
TMPY-01423	OX40	Human	HEK293	His	≥95%	ELISA
TMPY-04354	OX40L	Human	HEK293	mFc	>90%	ELISA
TMPY-00897	PD-1	Human	HEK293	His	>95%	ELISA/BLI/SPR
TMPY-04343	PD-L1	Human	HEK293	His	≥95%	ELISA/SPR
TMPY-04346	PD-L2	Human	HEK293	His	≥98%	ELISA
TMPY-06277	PVRIG	Human	HEK293	mFc	>90%	ELISA/BLI
TMPY-06051	SIRP alpha	Human	HEK293	hFc	>95%	ELISA
TMPY-01853	SIRP gamma	Human	HEK293	His	≥96%	ELISA
TMPY-04970	TIGIT	Human	HEK293	hFc	≥95%	ELISA/BLI
TMPY-01621	TIM-3	Human	HEK293	His	≥95%	SPR

CAR-T 细胞治疗靶点蛋白

嵌合抗原受体修饰 T 细胞 (CAR-T) 治疗是一种革命性的免疫治疗方法,通过改造患者的 T 细胞,使其能够通过特定的嵌合抗原受体 (CAR) 识别并攻击癌细胞。随着诸如 Kymriah 和 Yescarta 等 CAR-T 疗法的药物成功批准和上市,这种治疗方法已经迅速发展,展现出对多种癌症治疗的巨大潜力^[6]。

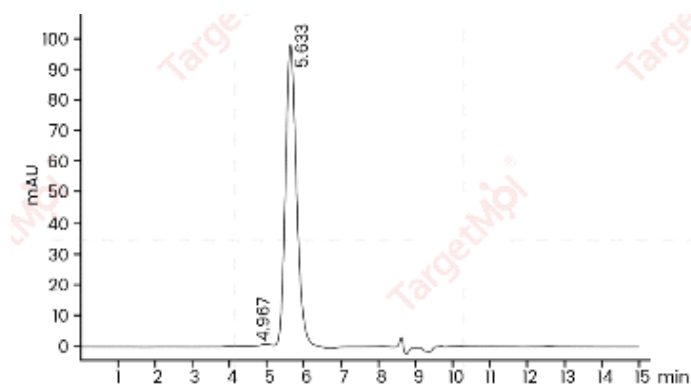
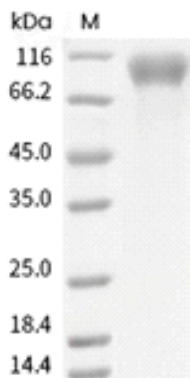
TargetMol 提供一系列高品质的 CAR-T 相关靶点蛋白产品,涵盖了包括 BCMA、MSLN、HER2、CD19 和 CD20 等多个热门靶点。这些产品提供多种种属选择,包括人类、小鼠、大鼠、食蟹猴和恒河猴等,同时包括荧光标记、生物素标记等多种标记类型。大部分蛋白采用人源表达系统生产,其结构更接近天然状态,非常适合用于免疫研究、抗体筛选和亲和力研究等应用。

产品数据展示

HER2/ERBB2 Protein, Human, Recombinant (TMPY-00167)

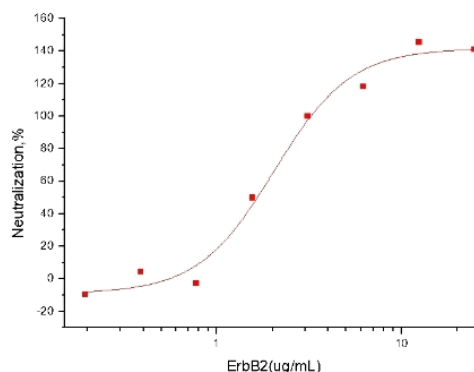
高纯度:SDS-PAGE、SEC-HPLC 验证

The purity of HER2/ERBB2 Protein, Human, Recombinant (TMPY-00167) was $\geq 95\%$ as determined by SDS-PAGE and $\geq 95\%$ as determined by SEC-HPLC.



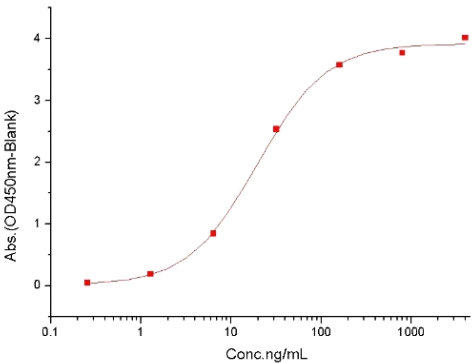
受高生物活性:细胞活性和结合活性验证

Measured by its ability to block Anti-ErbB2/Her2 mediated inhibition of BT474 human breast ductal carcinoma cell proliferation. The ED_{50} for this effect is 0.3-1.5 $\mu\text{g/mL}$ in the presence of 0.6 $\mu\text{g/mL}$ Anti-ErbB2/Her2 Monoclonal Antibody.





Immobilized HER2/ERBB2 Protein, Human, Recombinant at 2 µg/mL (100 µL/well) can bind Herceptin, the EC₅₀ of Herceptin is 7.0-30.0 ng/mL.



CAR-T 细胞治疗靶点蛋白特色产品列表

产品编号	蛋白名称	种属	表达系统	标签
TMPY-05319	BCMA	Human	HEK293	His
TMPY-01410	CD123	Human	HEK293	His
TMPY-01949	CD19	Human	HEK293	His
TMPY-05271	CD20, Biotinylated	Human	E. coli	TrxA
TMPY-05201	CD22	Human	HEK293	Tag Free
TMPY-01023	CD38	Human	HEK293	His
TMPY-06596	Claudin-18.2	Human	HEK293	Tag Free
TMPY-00742	EGFR	Human	HEK293	His
TMPY-04922	FAP, Biotinylated	Human	HEK293	His
TMPY-01283	GPC3	Human	HEK293	His
TMPY-06806	GPRC5D	Human	HEK293	GFP
TMPY-00167	HER2	Human	HEK293	Tag Free
TMPY-01142	ICAM-1	Human	HEK293	His
TMPK-00960	MSLN, PE-Labeled	Human	HEK293	His&Avi
TMPY-06364	SSTR2	Human	HEK293	Tag Free

Fc 受体蛋白

Fc 受体是免疫球蛋白的一类重要受体,主要通过与其 Fc 区域结合来激活免疫反应。这些受体在调节抗体的细胞毒性和吞噬功能中扮演关键角色。治疗性抗体的效果不仅取决于其与靶标抗原的结合能力,还依赖于其 Fc 片段与 Fc 受体的相互作用。因此,在开发治疗性抗体药物时,优化抗体结构并筛选出与 Fc 受体具有最佳亲和力的抗体是至关重要的步骤^{[7][8]}。

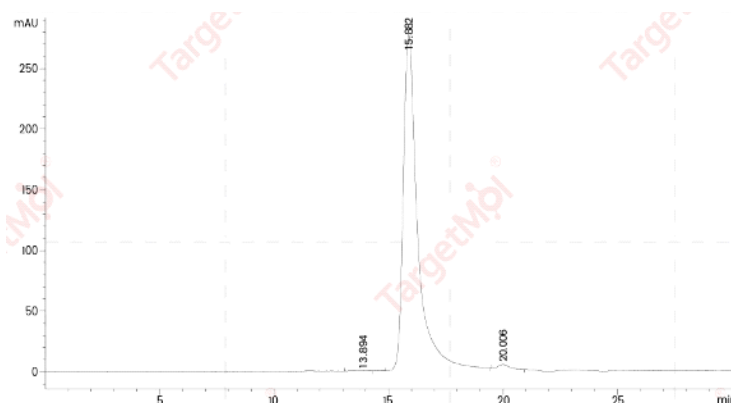
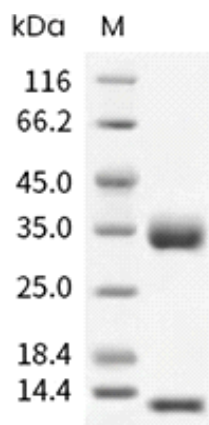
TargetMol 提供一系列高纯度和高活性的重组 Fc 受体蛋白,这些蛋白满足抗体药物研发中对蛋白纯度的严格要求。产品涵盖多种属,适用于不同种属之间的交叉实验,主要通过 HEK293 细胞表达,实现翻译后的修饰和蛋白的正确折叠。这些 Fc 受体蛋白可广泛应用于抗体药物设计、癌症治疗、免疫反应调节以及生物标志物的检测等多个研究领域。

产品数据展示

FCGRT & B2M Heterodimer Protein, Human, Recombinant (His) (TMPY-02082)

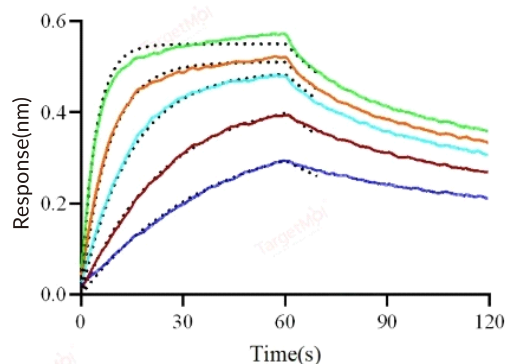
高纯度:SDS-PAGE、SEC-HPLC 验证

The purity of FCGRT & B2M Heterodimer Protein, Human, Recombinant (His) (TMPY-02082) was >95% as determined by SDS-PAGE and >90% as determined by SEC-HPLC.



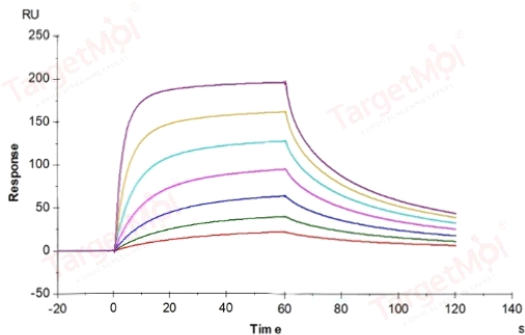
高结合活性:SPR、BLI 验证

Loaded FCGRT & B2M Heterodimer Protein, Human, Recombinant (His) on His1k Biosensor, can bind IgG4 Fc with an affinity constant of 0.08 μM as determined in a BLI assay.





Captured FCGRT & B2M Heterodimer Protein, Human, Recombinant (His) on Anti-His Chip can bind Bevacizumab (IgG1) with an affinity constant of 0.11 μ M as determined in an SPR assay.



Fc 受体蛋白特色产品列表

产品编号	蛋白名称	种属	表达系统	标签	纯度	活性
TMPY-02082	FcRn & B2M	Human	HEK293	His	>95%	ELISA/SPR/BLI
TMPY-00716	FcαRI/CD89	Human	HEK293	His	≥97%	Testing in progress
TMPY-04261	FcγRI/CD64	Human	HEK293	His	>95%	ELISA/SPR/BLI
TMPY-01968	FcγRIIa/CD32a	Human	HEK293	His	>95%	SPR/BLI
TMPY-00765	FcγRIIb/CD32b	Human	HEK293	His	≥95%	ELISA
TMPY-01834	FcγRIII/CD16	Mouse	HEK293	His	≥95%	ELISA/BLI
TMPY-01964	FcγRIIIa/CD16a	Human	HEK293	His	>95%	ELISA/SPR/BLI
TMPY-00701	FcγRIIIb/CD16b	Human	HEK293	His	>95%	SPR/BLI
TMPY-01087	FcγRIV	Mouse	HEK293	His	>95%	ELISA/BLI
TMPY-05084	FcεRI	Human	HEK293	Tag Free	≥95%	Testing in progress
TMPY-02293	FcεRII/CD23	Human	HEK293	His	>96%	Testing in progress

受体蛋白

受体蛋白是位于细胞表面或细胞内的蛋白质，它们的主要功能是接收并响应外界信号。这些信号通常来源于细胞外的分子，例如激素、神经递质、细胞因子和生长因子等。受体蛋白通过与这些信号分子结合，可以激活或抑制细胞内的信号传导途径，进而影响细胞的多种行为，如增殖、分化、迁移和细胞死亡等^{[9][10]}。

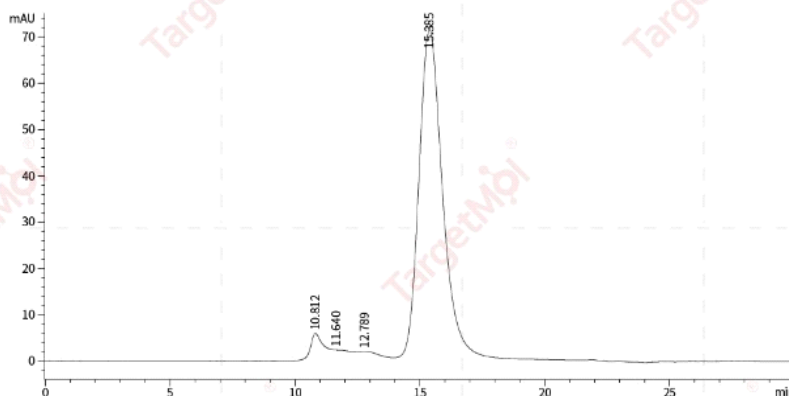
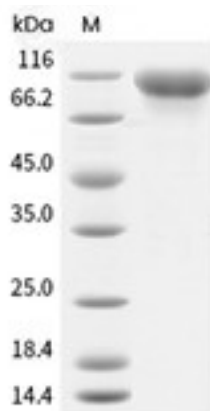
TargetMol 提供一系列高纯度、低内毒素的受体蛋白，种类包括细胞因子和生长因子受体、G蛋白质偶联受体 (GPCRs)、核受体、黏附受体以及酶联受体等，这些受体均可作为潜在的药物靶点。这些产品非常适合用于药物研发以及蛋白质相互作用的研究。

产品数据展示

EGFR Protein, Human, Recombinant (His) TMPY-00742

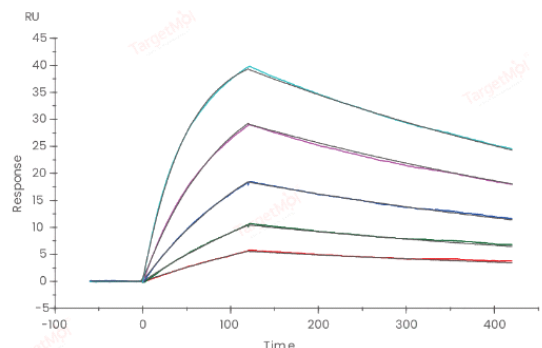
高纯度: SDS-PAGE、SEC-HPLC 验证

The purity of EGFR Protein, Human, Recombinant (His) (TMPY-00742) was >95% as determined by SDS-PAGE and >90% as determined by SEC-HPLC.



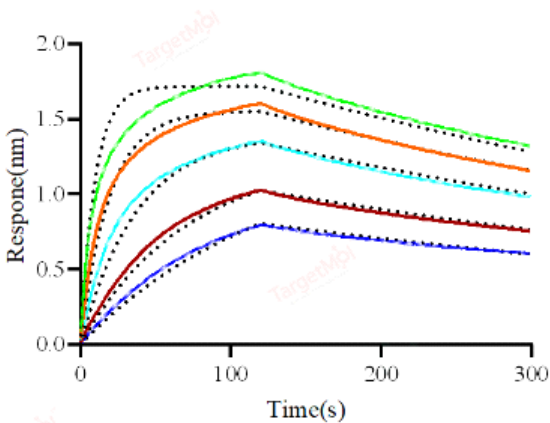
高结合活性: SPR、BLI 验证

Captured Cetuximab (IgG1) on proA Chip can bind EGFR Protein, Human, Recombinant (His) with an affinity constant of 1.07 nM as determined in an SPR assay.





Loaded Cetuximab on ProA Biosensor, can bind EGFR Protein, Human, Recombinant (His) with an affinity constant of 5.81 nM as determined in BLI assay.



受体蛋白特色产品列表

产品编号	蛋白名称	种属	表达系统	标签	纯度	内毒素
TMPY-01447	ACVR2A	Mouse	HEK293	His	≥97%	<1.0 EU/μg
TMPY-02052	CD32B	Rat	HEK293	His	>97%	<1.0 EU/μg
TMPY-05957	CD40	Mouse	HEK293	His	≥95%	<1.0 EU/μg
TMPY-00742	EGFR	Human	HEK293	His	>95%	<1.0 EU/μg
TMPY-03299	FLT1	Rat	HEK293	His	>90%	<1.0 EU/μg
TMPY-01137	HER2	Human	HEK293	His	>90%	<1.0 EU/μg
TMPY-00634	HGFR	Cynomolgus,Rhesus	HEK293	Tag Free	>90%	<1.0 EU/μg
TMPY-04187	IL-6R	Rat	HEK293	hFc	>90%	<1.0 EU/μg
TMPY-01084	TrkA	Human	HEK293	His	≥98%	<1.0 EU/μg
TMPY-00751	TrkB	Human	HEK293	His	≥97%	<1.0 EU/μg
TMPY-02361	VEGFR2	Human	HEK293	His	>95%	<1.0 EU/μg
TMPY-03219	VISTA	Human	HEK293	His	>95%	<1.0 EU/μg

CD 蛋白

CD 蛋白是免疫系统中的关键细胞表面分子，主要负责细胞间通信和对微环境的感应。这些蛋白是识别和区分各种白细胞及其亚群的重要标志。CD 蛋白在多个关键生物过程中发挥重要作用，包括细胞识别与信号传递、细胞黏附、免疫调节和抗原呈递等^{[11][12]}。

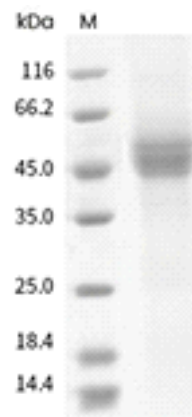
TargetMol 提供一系列种类丰富的高纯度、高生物活性 CD 蛋白，覆盖了多种热门药物靶点。这些产品能满足广泛的实验应用需求，支持科研人员在免疫学、细胞生物学和药物开发等领域进行深入研究。

产品数据展示

CD19 Protein, Human, Recombinant (His) (TMPY-01949)

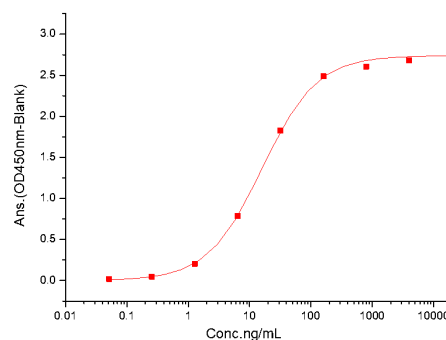
高纯度：

The purity of CD19 Protein, Human, Recombinant (His) (TMPY-01949) was >90% as determined by SDS-PAGE.



高结合活性：

Immobilized CD19 Protein, Human, Recombinant (His) at 2 µg/mL (100 µL/well) can bind Monoclonal Anti-Human CD19 Antibody (IgG1), the EC₅₀ is 8-24 ng/mL.



CD 蛋白特色产品列表

产品编号	蛋白名称	种属	表达系统	标签	纯度	活性
TMPY-01253	CD107a/LAMP1	Human	HEK293	His	≥95%	Testing in progress
TMPY-00881	CD115/CSF1R	Human	HEK293	Tag Free	>90%	ELISA/Cell
TMPY-00758	CD13/ANPEP	Mouse	HEK293	His	>97%	Enzyme
TMPY-01949	CD19	Human	HEK293	His	>90%	ELISA
TMPK-00183	CD20	Human	E. coli	His&Avi	>95%	ELISA
TMPY-00962	CD292/ALK-3	Mouse	HEK293	His&hFc	>95%	Cell
TMPY-00706	CD31/PECAM-1	Human	HEK293	hFc	>90%	Cell
TMPY-01445	CD36	Mouse	HEK293	His	>92%	ELISA
TMPY-02501	CD3D&CD3E	Human	HEK293	Tag Free	≥90%	ELISA
TMPK-00281	CD4	Human	HEK293	His&Avi	>95%	ELISA
TMPK-00518	CD44	Cynomolgus	HEK293	His	>95%	ELISA
TMPY-03093	CD47	Rat	HEK293	His	>90%	ELISA
TMPY-01349	CD54/ICAM-1	Mouse	HEK293	His	>95%	Cell
TMPY-03094	CD68	Rat	HEK293	His	>95%	Testing in progress
TMPY-06274	CD8 alpha	Human	CHO	His	>90%	ELISA

酶类

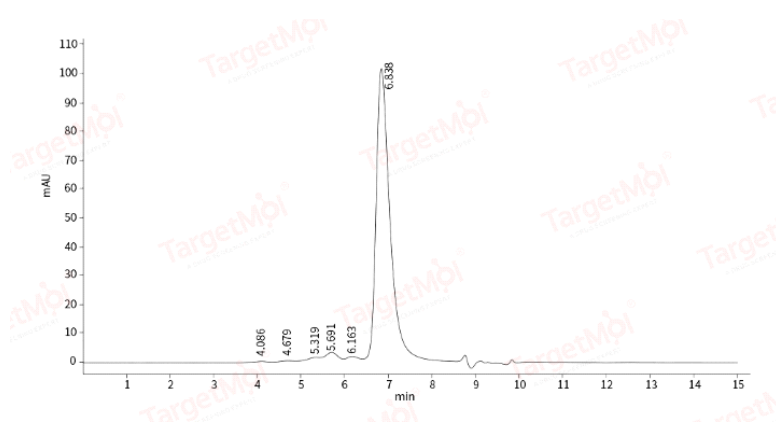
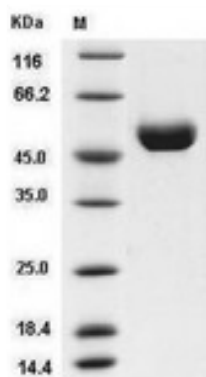
酶是生物体内一类至关重要的蛋白质，它们催化各种生化反应，极大地加速化学反应速度。酶具有高效性、高度专一性以及温度对 pH 值的依赖性等特点。作为生物化学过程中的关键催化剂，酶对于维持生命的各个方面都是不可或缺的^[13]。

TargetMol 提供多种类型的酶产品，包括靶点酶、工具酶、核酸酶等。这些酶具有高纯度和高酶活性，能有效提高底物催化效率，极大地促进药物筛选和研究工作。此外，我们的产品涵盖了多种属，以适应不同的实验条件和研究目的。

产品数据展示

Cathepsin D Protein, Human, Recombinant (His) (TMPY-02450)

The purity of Cathepsin D Protein, Human, Recombinant (His) (TMPY-02450) was $\geq 97\%$ as determined by SDS-PAGE and $\geq 90\%$ as determined by SEC-HPLC.



酶类特色产品列表

产品编号	蛋白名称	种属	表达系统	标签	纯度
TMPY-00140	ABP1/AOC1	Human	HEK293	His	>90%
TMPK-00804	ALPG	Human	HEK293	mFc	>95%
TMPY-00446	ALPL	Mouse	HEK293	His	>95%
TMPY-00669	ARSA	Human	HEK293	His	>97%
TMPY-03262	B3GNT6	Human	Baculovirus-Insect Cells	His	>90%
TMPY-02963	Calcineurin A	Human	Baculovirus-Insect Cells	His	>94%
TMPY-00693	Carbonic Anhydrase 10	Human	HEK293	Tag Free	>95%
TMPY-00731	Cathepsin B	Human	HEK293	His	>97%
TMPY-02450	Cathepsin D	Human	HEK293	His	$\geq 97\%$
TMPY-03377	Cd73	Human	HEK293	His	>95%



产品编号	蛋白名称	种属	表达系统	标签	纯度
TMPY-05346	CRISPR-Cas9	Streptococcus pyogenes	Baculovirus-Insect Cells	His	≥90%
TMPY-02546	FUT8	Human	Baculovirus-Insect Cells	His	>95%
TMPY-02317	HDAC8	Mouse	Baculovirus-Insect Cells	His	>90%
TMPY-02198	ILKAP	Human	HEK293	His	>92%
TMPY-01248	MMP-9	Human	HEK293	Tag Free	≥90%
TMPY-01336	REG3A	Human	HEK293	His	>97%
TMPY-01090	REG3A	Mouse	HEK293	His	>95%
TMPY-02685	ST6GALNAC2	Mouse	HEK293	His	>98%

病毒蛋白

病毒蛋白是病毒粒子的核心组成部分,执行多种生物学功能,如提供结构支持、侵入宿主细胞、复制病毒遗传物质以及调控宿主细胞功能。这些蛋白能与宿主蛋白发生相互作用,对病毒的生存和繁殖至关重要,使得病毒能有效适应并利用宿主环境以促进其生命周期^[14]。

TargetMol 提供广泛种类的病毒蛋白,涵盖新冠病毒、冠状病毒、流感病毒、人类免疫缺陷病毒、埃博拉病毒和呼吸道合胞体病毒等,包括多种突变体。这些产品适用于抗病毒药物发现、疫苗研发和诊断试剂的开发,支持科研人员在病毒学和相关领域的研究工作。

产品数据展示

MERS-CoV Spike/S1 Protein (aa 1-725, His) (TMPY-03574)

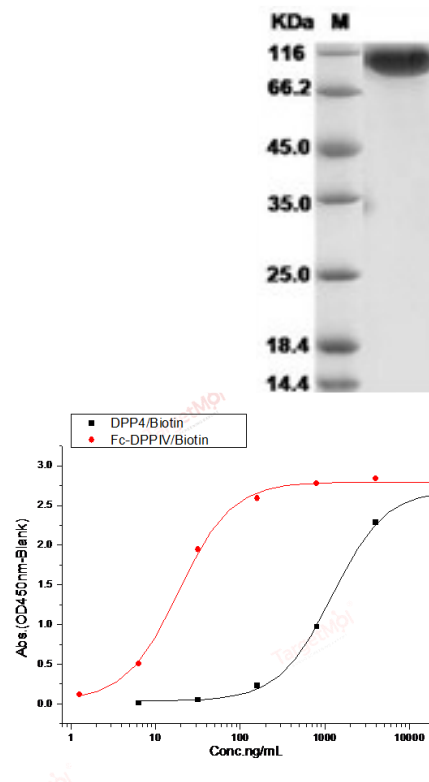
高纯度:

The purity of MERS-CoV Spike/S1 Protein (aa 1-725, His) (TMPY-03574) was >95% as determined by SDS-PAGE.

高活性:

ELISA 结合检测

Immobilized MERS-CoV Spike/S1 Protein (aa 1-725, His) at 2 μ g/mL (100 μ L/well) can bind biotinylated Fc-DPP4. The EC_{50} of biotinylated Fc-DPP4 is 15-60 ng/mL.





病毒蛋白特色产品列表

产品编号	蛋白名称	种属	表达系统	标签	突变位点
TMPJ-01449	3CLpro/3C-like	SARS-CoV-2	E. coli	Tag Free	/
TMPK-01342	3CLpro/3C-like	SARS-CoV-2	E. coli	Tag Free	A191V
TMPK-01347	3CLpro/3C-like	SARS-CoV-2	E. coli	Tag Free	E166A
TMPY-00296	E2	HCV	HEK293	His	/
TMPY-01078	Fusion glycoprotein	RSV	Baculovirus-Insect Cells	His	/
TMPY-00038	Glycoprotein/GP	EBOV	Baculovirus-Insect Cells	His	/
TMPY-01373	gp120	HIV	HEK293	His	/
TMPY-01524	Hemagglutinin/HA	H3N2	HEK293	His	/
TMPY-05517	Hemagglutinin/HA, Biotinylated	H1N1	HEK293	His	/
TMPY-05664	Nucleocapsid	SARS-CoV-2	Baculovirus-Insect Cells	Tag Free	/
TMPY-06189	Nucleocapsid	SARS-CoV-2	E. coli	His	A220V
TMPY-06097	Nucleocapsid	SARS-CoV-2	E. coli	Tag Free	S194L
TMPY-06096	Nucleocapsid	SARS-CoV-2	E. coli	Tag Free	P13L
TMPY-06221	Nucleocapsid	SARS-CoV-2	E. coli	His	P67S
TMPY-06145	Nucleocapsid	SARS-CoV-2	E. coli	His	E378Q
TMPK-01384	PLpro	SARS	E. coli	His	/
TMPY-00402	Spike/RBD	MERS-CoV	Baculovirus-Insect Cells	His	/
TMPY-03574	Spike/S1	MERS-CoV	HEK293	His	/
TMPY-03512	Spike/S2	MERS-CoV	Baculovirus-Insect Cells	His	/

MHC 系列蛋白

MHC (主要组织相容性复合体) 是一组位于细胞表面的蛋白质, 主要功能是向 T 细胞展示抗原片段, 这对于免疫系统识别和清除感染至关重要。MHC 分为两类:

1. MHC I 分子: 存在于几乎所有核状细胞表面, 将内部产生的蛋白质片段 (如病毒或肿瘤蛋白) 展示给 CD8+ T 细胞 (细胞毒性 T 细胞), 帮助免疫系统检测并消灭被感染或癌变的细胞。
2. MHC II 分子: 主要表达在免疫系统的专职抗原呈递细胞 (如树突状细胞、巨噬细胞和 B 细胞) 上, 呈递外部环境的抗原片段给 CD4+ T 细胞 (辅助 T 细胞), 从而启动和调节免疫应答^[15]。

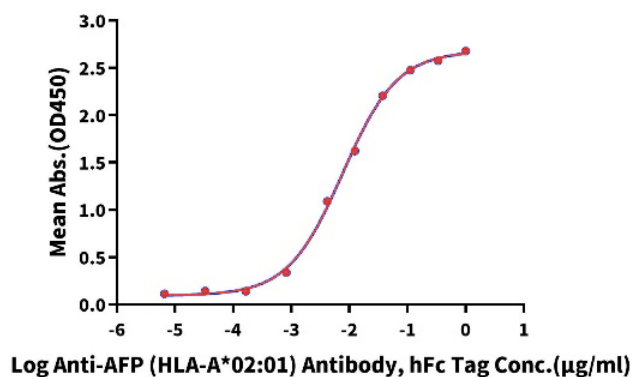
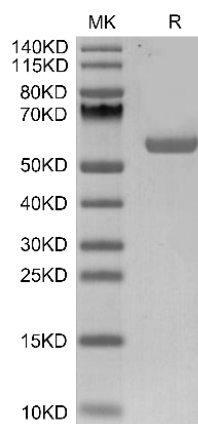
TargetMol 提供多种 MHC 多肽复合物, 涵盖诸如 NY-ESO-1、KRAS、AFP 和 HPV16 等热门靶点。我们的产品线包括单体、四聚体以及种属嵌合等多种形式的复合物。此外, 我们还提供 Peptide Ready MHC 产品, 支持肽段的即用加载, 使操作更加简单便捷。这些产品广泛应用于细胞分选、抗体筛选、TCR 亲和力验证等研究领域。

产品数据展示

HLA-A*02:01&B2M&AFP (FMNKFIYEI) Monomer Protein, Human, MHC (His & Avi) (TMPK-01515)

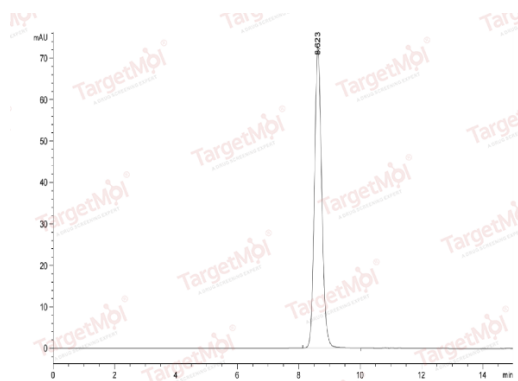
高纯度: Tris-Bis PAGE、HPLC 验证

The purity of HLA-A*02:01&B2M&AFP (FMNKFIYEI) Monomer Protein, Human, MHC (His & Avi) (TMPK-01515) was >95% as determined by Tris-Bis PAGE and >95% as determined by HPLC.

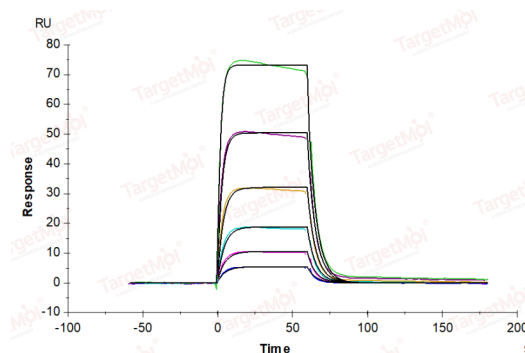


高活性: ELISA、SPR 结合活性验证

Immobilized HLA-A*02:01&B2M&AFP (FMNKFIYEI) Monomer Protein, Human, MHC (His & Avi) at 2 μg/mL (100 μL/well) on the plate. Dose response curve for Anti-HLA-A*02:01&B2M&AFP (FMNKFIYEI) Antibody, hFc Tag with the EC₅₀ of 7.6 ng/mL as determined by ELISA.



HLA-A*02:01&B2M&AFP (FMNKFIYEI) Monomer Protein, Human, MHC (His & Avi) captured on CM5 Chip via Anti-His Antibody can bind HLA-A*02:01&B2M&AFP (FMNKFIYEI) TCR with an affinity constant of 0.923 μM as determined in SPR assay.



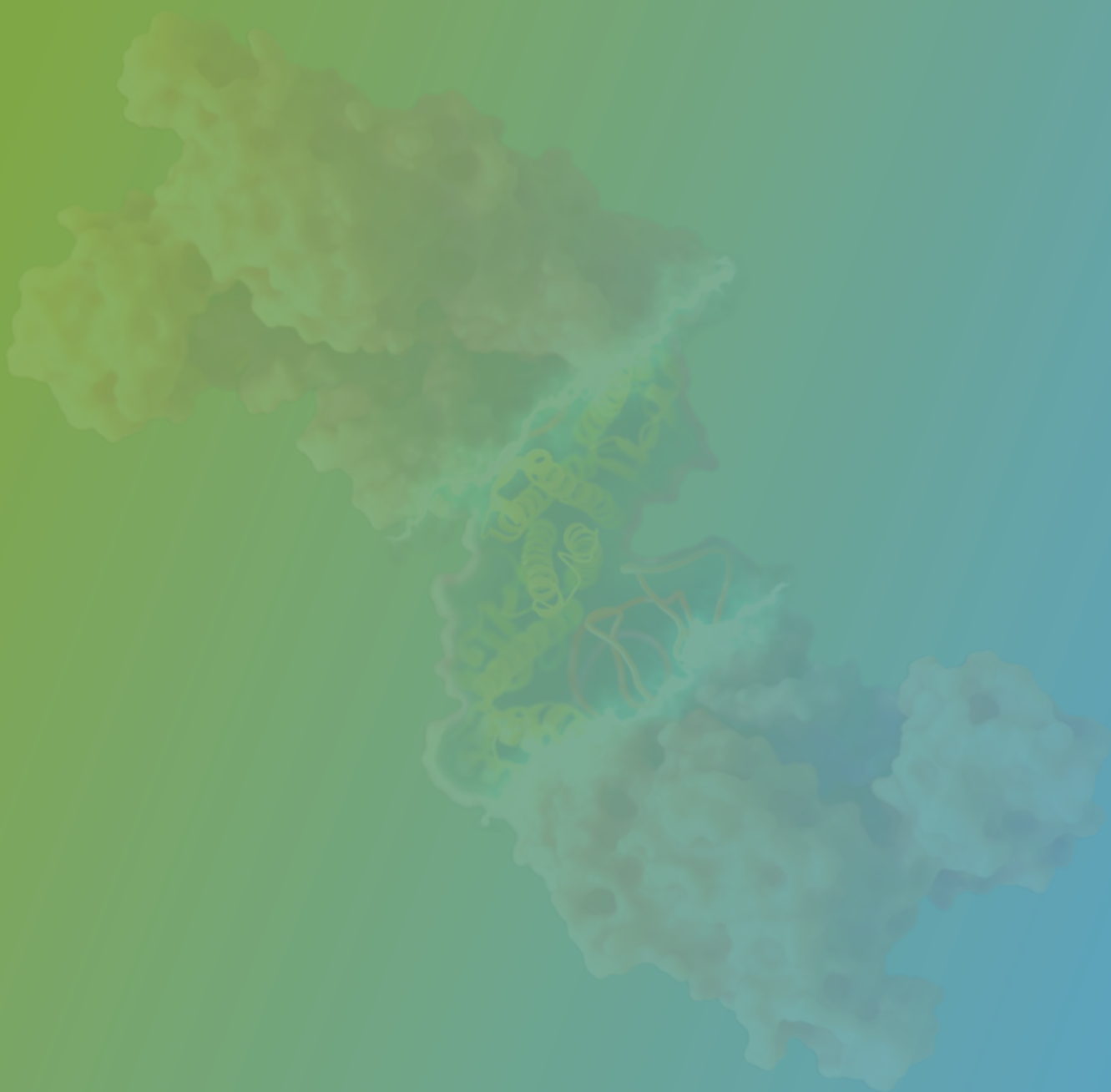


MHC 系列蛋白特色产品列表

产品编号	基因型	形式	种属	表达系统	标签
TMPK-01515	HLA-A*02:01&B2M&AFP (FMNKFIYEI)	Monomer	Human	HEK293	His&Avi
TMPK-01519	HLA-A*02:01&B2M&AFP (FMNKFIYEI)	Tetramer	Human	HEK293	His&Avi
TMPK-01551	HLA-A*02:01&B2M&GP100 (YLEPGPVTA)	Monomer	Human	HEK293	His&Avi
TMPK-01540	HLA-A*02:01&B2M&GP100 (YLEPGPVTA)	Tetramer	Human	HEK293	His&Avi
TMPK-01543	HLA-A*02:01&B2M&NY-ESO-1 (SLLMWITQC)	Monomer	Human	HEK293	His&Avi
TMPK-01539	HLA-A*02:01&B2M&NY-ESO-1 (SLLMWITQC)	Monomer, Biotinylated	Human	HEK293	His&Avi
TMPK-01546	HLA-A*02:01&B2M&NY-ESO-1 (SLLMWITQC)	Tetramer	Human	HEK293	His&Avi
TMPK-01426	HLA-A*11:01&B2M	Monomer	Human	HEK293	His&Avi
TMPK-01425	HLA-A*11:01&B2M	Monomer, Biotinylated	Human	HEK293	His&Avi
TMPK-01422	HLA-A*02:01&B2M	Monomer	Human	HEK293	His&Avi
TMPK-01410	HLA-A*24:02&B2M	Monomer	Human	HEK293	His&Avi
TMPK-01418	HLA-G&B2M	Monomer	Human	HEK293	His&Avi

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