

Recombinant Human CD38 (His Tag)

产品信息

产品名称	产品编号	规格
Recombinant Human CD38 (His Tag)	93094ES20	20 µg
	93094ES60	100 µg
	93094ES76	500 µg
	93094ES80	1 mg

产品描述

CD38, also known as ADP-ribosyl cyclase, is a Type II integral membrane protein. The enzyme is able to transform NAD(P)⁺ into three different products with calcium mobilizing ability, cyclic ADP-ribose, NAADP⁺, and ADP-ribose. CD38 is expressed in B and T lymphocytes, osteoclasts, and in cardiac, pancreatic, liver and kidney cells. Through its production of cyclic ADP-ribose, CD38 modulates calcium-mediated signal transduction in many types of cells, including neutrophils and pancreatic beta cells.

产品性质

别名 (Synonyms)	ADPRC 1; T10; CD38; ADP-ribosyl cyclase 1; cADPr hydrolase 1; CD38 molecule
Uniprot No.	P28907-1
表达区间及表达系统 (Source)	Recombinant Human CD38 Protein is expressed from HEK293 Cells with His tag at the C-terminal. It contains Val43-Ile300.
分子量(Molecular Weight)	The protein has a predicted MW of 30.7 kDa. Due to glycosylation, the protein migrates to 45-58 kDa based on Tris-Bis PAGE result.
外观(Physical Appearance)	Sterile Filtered White lyophilized (freeze-dried) powder.
纯度 (Purity)	> 95% as determined by SDS-PAGE and HPLC
活性 (Activity)	<p>1.ELISA Data: Immobilized Human CD38, His Tag at 1µg/ml (100µl/Well) on the plate. Dose response curve for Anti-CD38 Antibody, hFc Tag with the EC₅₀ of 28ng/ml determined by ELISA.</p> <p>2.SPR Data: Anti-CD38 Antibody captured on Protein A chip, can bind Human CD38, His Tag with an affinity constant of 0.23µM as determined in a SPR assay.</p>
内毒素 (Endotoxin)	< 1.0 EU per 1µg of the protein by the LAL method.
制剂 (Formulation)	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.
复溶 (Reconstitution)	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.

运输与保存方法

冰袋运输。-20°C至-80°C保存，一年有效期。

复溶后，-20 至 -80°C，在未开封状态下保存 3-6 个月。复溶后，2-8°C 保存 2-7 天。

建议第一次使用时分装冻存，避免反复冻融。

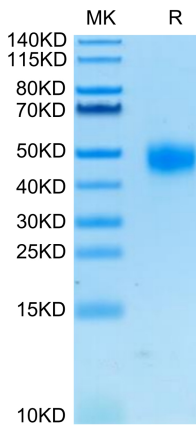
注意事项

1. 避免反复冻融。

2. 为了您的安全和健康，请穿实验服并戴一次性手套操作。
3. 本产品仅作科研用途！

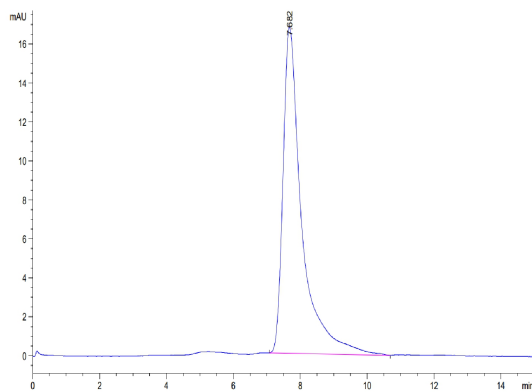
产品数据

Tris-Bis PAGE



Human CD38 on Tris-Bis PAGE under reduced conditions.
The purity is greater than 95%.

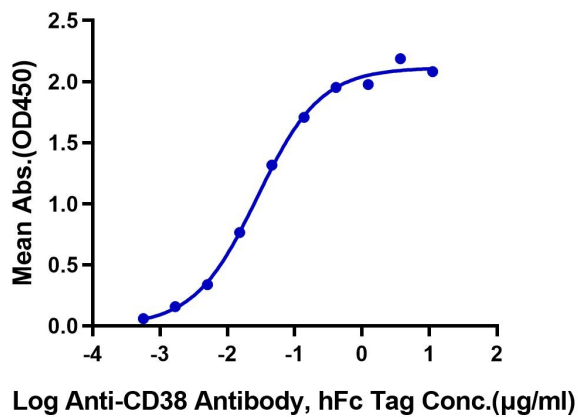
SEC-HPLC



The purity of Human CD38 is greater than 95% as determined by SEC-HPLC.

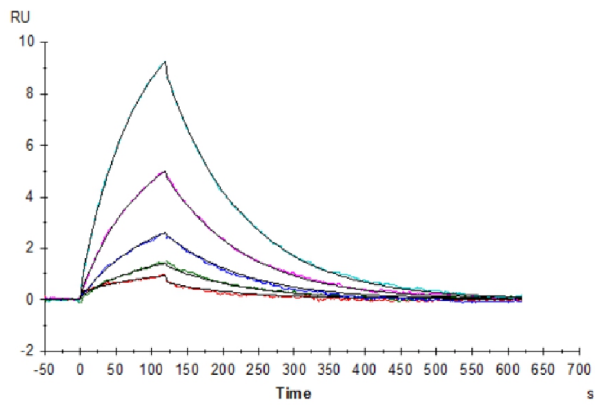
ELISA Data

Human CD38, His Tag ELISA
0.1 μ g Human CD38, His Tag Per Well



Immobilized Human CD38, His Tag at 1 μ g/ml (100 μ l/Well) on the plate. Dose response curve for Anti-CD38 Antibody, hFc Tag with the EC_{50} of 28ng/ml determined by ELISA.

SPR Data



Anti-CD38 Antibody captured on Protein A chip, can bind Human CD38, His Tag with an affinity constant of $0.23\mu\text{M}$ as determined in a SPR assay.

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