

Biotinylated Human CD38 Protein, His-Avi Tag

产品信息

产品名称	产品编号	规格
	93155ES60	100 µg
Biotinylated Human CD38 Protein, His-Avi Tag	93155ES76	500 µg
	93155ES80	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

Synonyms	ADPRC 1; T10; CD38; ADP-ribosyl cyclase 1; cADPr hydrolase 1; CD38 molecule
Uniprot No.	P28907-1
Source	Recombinant Biotinylated Human CD38 Protein is expressed from HEK293 Cells with His tag and Avi tag at the C-terminal. It contains Val43-Ile300.
Molecular Weight	The protein has a predicted MW of 32.50 kDa. Due to glycosylation, the protein migrates to 42-50 kDa based on Tris-Bis PAGE result.
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Purity	> 95% as determined by SDS-PAGE and HPLC
Endotoxin	< 1.0 EU per 1µg of the protein by the LAL method.
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge tubes before opening. Reconstituting to a concentration more than 100µg/mL is recommended. Dissolve the lyophilized protein in distilled water.

运输与保存方法

The products are shipped with ice pack and can be stored at -20°C for 1 year.

2-7 days, 2 to 8 °C under sterile conditions after reconstitution.

3 -6 months, -20 to -80°C under sterile conditions after reconstitution.

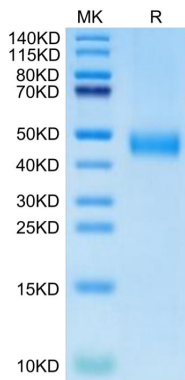
Recommend to aliquot the protein into smaller quantities for optimal storage. Please avoid freeze-thaw cycles.

注意事项

1. For your safety and health, please wear lab coats and disposable gloves for operation.
2. For research use only!

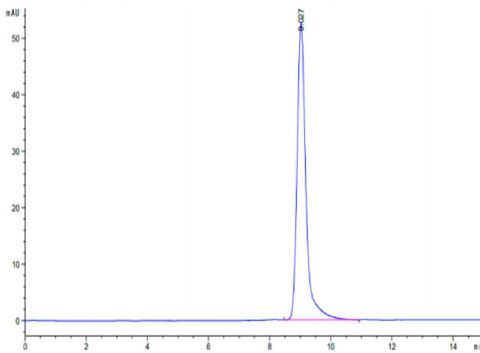
产品数据

Tris-Bis PAGE



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

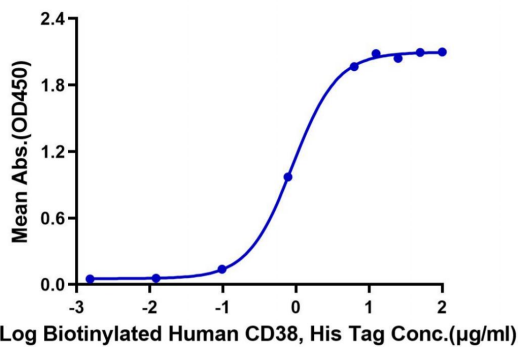
SEC-HPLC



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

ELISA Data

Biotinylated Human CD38, His Tag ELISA
0.2 μ g Anti-CD38 Antibody, hFc Tag Per Well



Immobilized Anti-CD38 Antibody, hFc Tag at 2 μ g/mL (100 μ l/Well) on the plate. Dose response curve for Biotinylated Human CD38, His Tag with the EC₅₀ of 0.9 μ g/mL determined by ELISA.