

Datasheet for ABIN7274151
CD38 Protein (AA 43-300) (Fc Tag)

3 Images

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Overview

Quantity:	100 µg
Target:	CD38
Protein Characteristics:	AA 43-300
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD38 protein is labelled with Fc Tag.

Product Details

Purpose:	Human CD38 Protein
Sequence:	Val43-Ile300
Characteristics:	Recombinant Human CD38 Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Val43-Ile300.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human CD38, hFc Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Anti-CD38 Antibody, hFc Tag with the EC50 of 17.4ng/ml determined by ELISA. See testing image for detail.

Target Details

Target:	CD38
Abstract:	CD38 Products
Background:	<p>CD38 is highly and uniformly expressed on multiple myeloma (MM) cells, and at relatively low levels on normal lymphoid and myeloid cells, and in some tissues of nonhematopoietic origin. CD38 is a transmembrane glycoprotein with ectoenzymatic activity, and also functions as a receptor and adhesion molecule. Altogether, this has triggered the development of several CD38 antibodies including daratumumab (fully human), isatuximab (chimeric), and MOR202 (fully human).</p>
Molecular Weight:	56.6 kDa. Due to glycosylation, the protein migrates to 60-70 kDa based on Tris-Bis PAGE result.

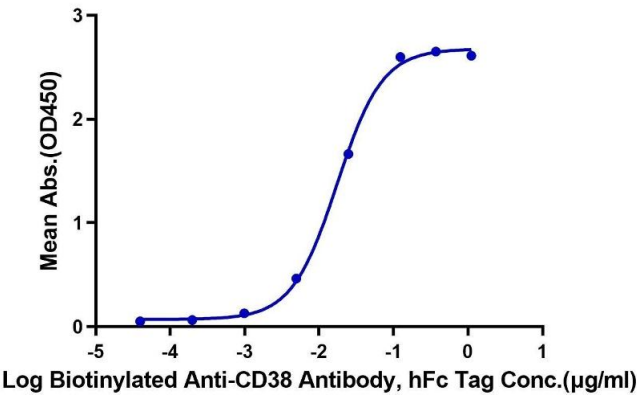
Application Details

Restrictions:	For Research Use only
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Handling

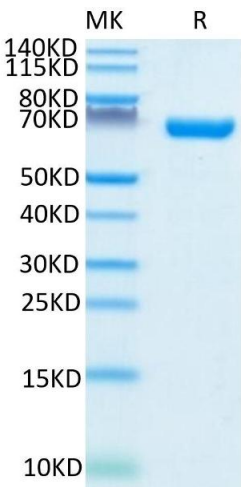
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months

Human CD38, hFc Tag ELISA
0.05µg Human CD38, hFc Tag Per Well



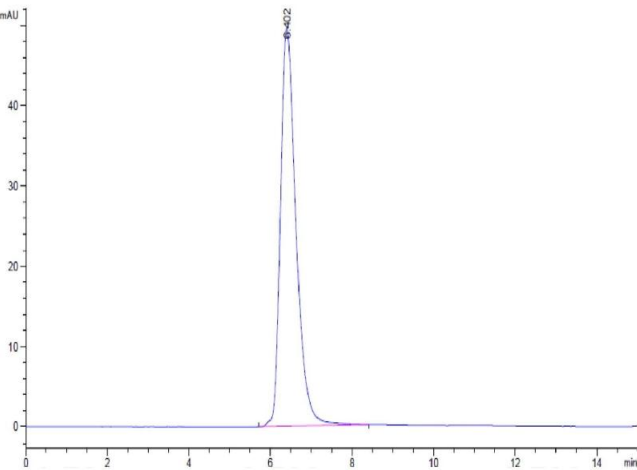
ELISA

Image 1. Immobilized Human CD38, hFc Tag at 0.5 µg/mL (100 µL/well) on the plate. Dose response curve for Biotinylated Anti-CD38 Antibody, hFc Tag with the EC50 of 17.4 ng/mL determined by ELISA.



SDS-PAGE

Image 2. Human CD38 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 3. The purity of Human CD38 is greater than 95 % as determined by SEC-HPLC.