

Datasheet for ABIN7274170
CD38 Protein (AA 45-304) (His tag)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µg
Target:	CD38
Protein Characteristics:	AA 45-304
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD38 protein is labelled with His tag.

Product Details

Purpose:	Mouse CD38 Protein
Sequence:	Leu45-Thr304
Characteristics:	Recombinant Mouse CD38 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Leu45-Thr304.
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.

Target Details

Target:	CD38
Abstract:	CD38 Products

Target Details

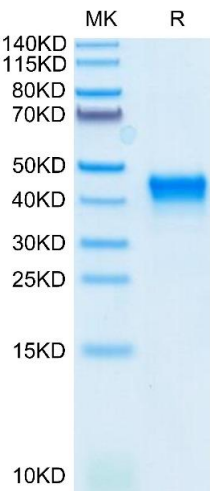
Background:	CD38 is highly and uniformly expressed on multiple myeloma (MM) cells, and at relatively low levels on normal lymphoid and myeloid cells, and in some tissues of nonhematopoietic origin. CD38 is a transmembrane glycoprotein with ectoenzymatic activity, and also functions as a receptor and adhesion molecule. Altogether, this has triggered the development of several CD38 antibodies including daratumumab (fully human), isatuximab (chimeric), and MOR202 (fully human).
Molecular Weight:	30.9 kDa. Due to glycosylation, the protein migrates to 40-50 kDa based on Tris-Bis PAGE result.

Application Details

Restrictions:	For Research Use only
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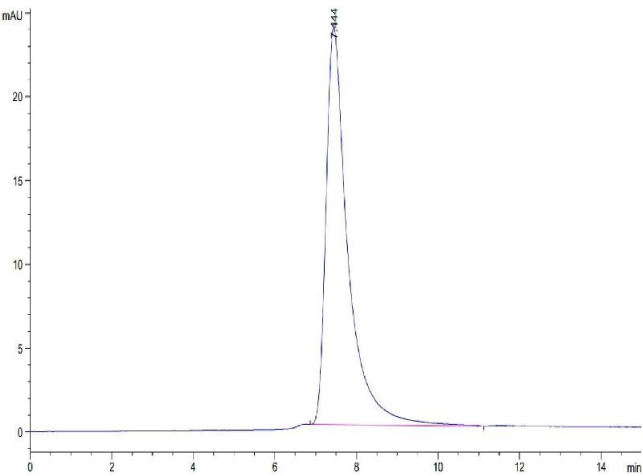
Handling

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



SDS-PAGE

Image 1. Mouse CD38 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Mouse CD38 is greater than 95 % as determined by SEC-HPLC.