Biotinylated Human CD38 Protein

Cat. No. CD3-HM138B

Description

Source	Recombinant Biotinylated Human CD38 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.
	It contains Val43-Ile300.
Accession	P28907-1
Molecular Weight	The protein has a predicted MW of 32.50 kDa. Due to glycosylation, the protein migrates to 42-50 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

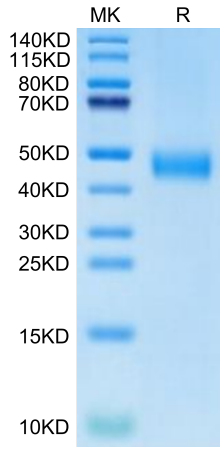
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled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

Background

CD38 (cluster of differentiation 38), also known as cyclic ADP ribose hydrolase, is a transmembrane glycoprotein found on the surface of some immune cells including plasma cells, activated or immature T and B cells, monocytes, and natural killer cells. CD38 participates in cell adhesion, signal transduction and calcium signaling.

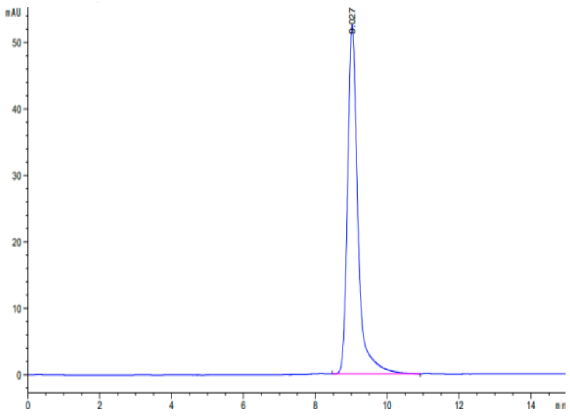
Assay Data

Bis-Tris PAGE



Biotinylated Human CD38 on Bis-Tris 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.

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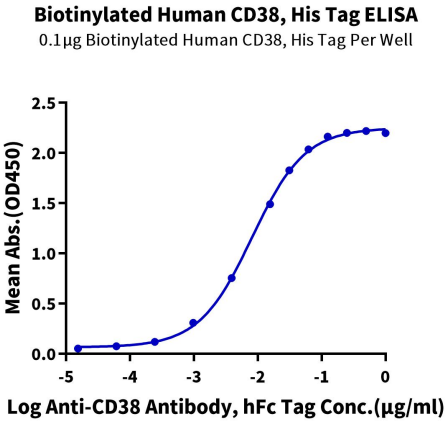
Assay Data

ELISA Data



Immobilized Biotinylated Human CD38, His Tag at 1μg/ml (100μl/well) on the streptavidin precoated plate(5μg/ml). Dose response curve for Anti-CD38 Antibody, hFc Tag with the EC50 of 8.1ng/ml determined by ELISA.