

# Biotinylated Human CD38 Protein

Cat. No. CD3-HM138B

## Description

<b>Source</b>	Recombinant Biotinylated Human CD38 Protein is expressed from Expi293 with His tag and Avi tag at the C-terminal. It contains Val43-Ile300.
<b>Accession</b>	P28907-1
<b>Molecular Weight</b>	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.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

## Formulation and Storage

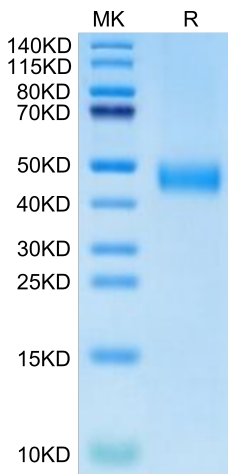
<b>Formulation</b>	Supplied as 0.22µm filtered solution in PBS (pH 7.4). Please dilute to the desired concentration according to the concentration of the solution shown on the product label.
<b>Storage</b>	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please do not repeated 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.

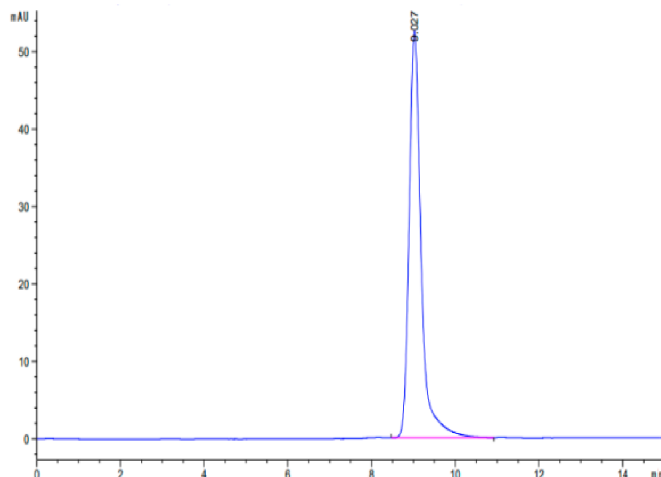
## Assay Data

### 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

For Research Use Only

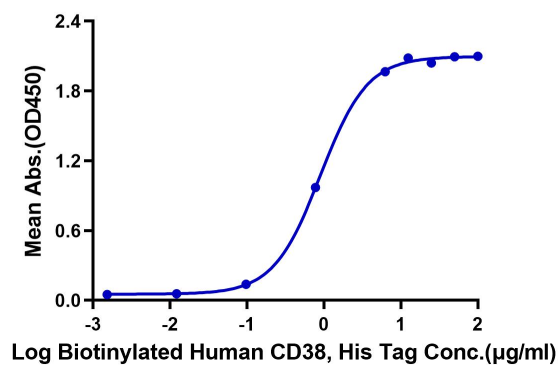
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## Assay Data

### Biotinylated Human CD38, His Tag ELISA

0.2µg Anti-CD38 Antibody, hFc Tag Per Well



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