

# Active Recombinant Human CD38 protein, His-tagged, Low Endotoxin

**Cat. No.** CD38-653H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                         |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human CD38 protein(P28907-1)(Val43-Ile300), fused with C-terminal His tag, was expressed in HEK293.                                                         |
| <b>Species</b>          | Human                                                                                                                                                                   |
| <b>Source</b>           | HEK293                                                                                                                                                                  |
| <b>ProteinLength</b>    | 43-300 aa                                                                                                                                                               |
| <b>Form</b>             | Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.                                          |
| <b>Bio-activity</b>     | Immobilized Human CD38, His Tag at 1µg/ml (100µl/Well) on the plate. Dose response curve for Anti-CD38 Antibody, hFc Tag with the EC50 of 4.7ng/ml determined by ELISA. |
| <b>Molecular Mass</b>   | The protein has a predicted MW of 30.7 kDa. Due to glycosylation, the protein migrates to 45-58 kDa based on Bis-Tris PAGE result.                                      |
| <b>Endotoxin</b>        | Less than 0.01 EU per µg by the LAL method.                                                                                                                             |
| <b>Purity</b>           | > 95% as determined by Bis-Tris PAGE; > 95% as determined by HPLC                                                                                                       |
| <b>Storage</b>          | Store at -20 to -80°C for 24 months as supplied from date of receipt. -80°C for 3                                                                                       |

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months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

**Reconstitution** Dissolve the lyophilized protein in distilled water.

## GENE INFORMATION

**Gene Name** CD38 CD38 molecule [ Homo sapiens ]

**Official Symbol** CD38

**Synonyms** CD38; CD38 molecule; CD38 antigen (p45); ADP-ribosyl cyclase 1; ADP ribosyl cyclase 1; NAD(+) nucleosidase; cADPr hydrolase 1; cyclic ADP-ribose hydrolase 1; ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase; T10;

**Gene ID** 952

**mRNA Refseq** NM\_001775

**Protein Refseq** NP\_001766

**MIM** 107270

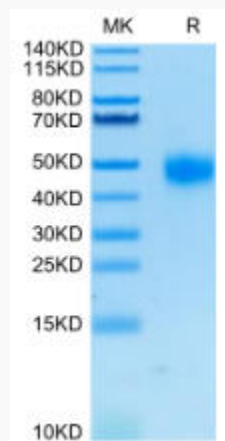
**UniProt ID** P28907

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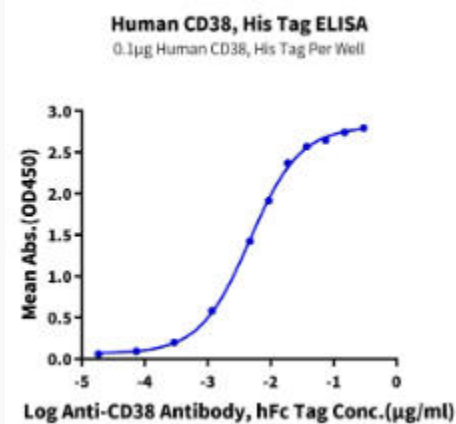
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## Bis-Tris PAGE



## ELISA Data



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