

## Recombinant Human CD44 protein, His-tagged

**Cat. No.** CD44-1349H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                            |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human CD44 protein(P16070-1)(Gln21-Pro220 & Gln386-Ala427), fused with C-terminal His tag, was expressed in HEK293.                                            |
| <b>Species</b>          | Human                                                                                                                                                                      |
| <b>Source</b>           | C-His                                                                                                                                                                      |
| <b>ProteinLength</b>    | Gln21-Pro220 & Gln386-Ala427                                                                                                                                               |
| <b>Tag</b>              | C-His                                                                                                                                                                      |
| <b>Form</b>             | Supplied as 0.22µm filtered solution in PBS (pH 7.4).                                                                                                                      |
| <b>Bio-activity</b>     | Immobilized Human CD44, His Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Anti-CD44 Antibody, hFc Tag with the EC50 of 11.8ng/ml determined by ELISA. |
| <b>Molecular Mass</b>   | The protein has a predicted MW of 27.91 kDa. Due to glycosylation, the protein migrates to 45-68 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.                                                                                                         |
| <b>Storage</b>          | Valid for 12 months from date of receipt when stored at -80°C.;Recommend to aliquot                                                                                        |

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the protein into smaller quantities for optimal storage. Please do not repeated freeze-thaw cycles.

**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

**GENE INFORMATION**

**Gene Name** [CD44 CD44 molecule \(Indian blood group\) \[ Homo sapiens \]](#)

**Official Symbol** [CD44](#)

**Synonyms**

CD44; CD44 molecule (Indian blood group); CD44 antigen (homing function and Indian blood group system) , MDU2, MDU3, MIC4; CD44 antigen; CD44R; chondroitin sulfate proteoglycan 8; CSPG8; HCELL; hematopoietic cell E and L selectin ligand; IN; MC56; Pgp1; epican; Hermes antigen; hyaluronate receptor; phagocytic glycoprotein 1; heparan sulfate proteoglycan; cell surface glycoprotein CD44; extracellular matrix receptor III; GP90 lymphocyte homing/adhesion receptor; hematopoietic cell E- and L-selectin ligand; homing function and Indian blood group system; LHR; MDU2; MDU3; MIC4; CDW44; HUTCH-I; ECMR-III; MGC10468;

**Gene ID** [960](#)

**mRNA Refseq** [NM\\_000610](#)

**Protein Refseq** [NP\\_000601](#)

**MIM** [107269](#)

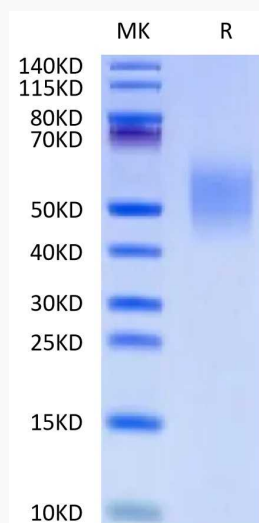
**UniProt ID** [P16070](#)

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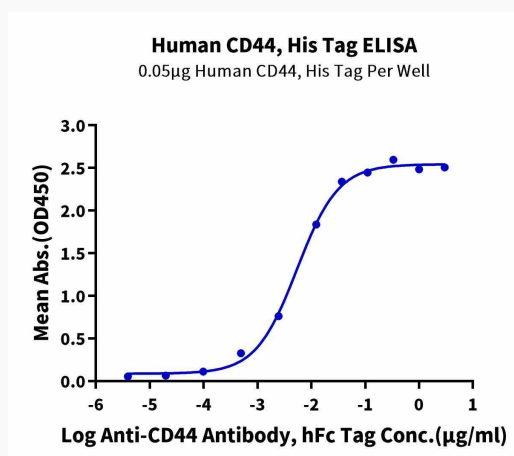
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## Tris-Bis PAGE



## ELISA



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