

Recombinant Human CD44 protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Human CD44 protein(P16070-1)(Gln21-Pro220 & Gln386-Ala427), fused with C-terminal His tag, was expressed in HEK293.
Species	Human
Source	C-His
ProteinLength	Gln21-Pro220 & Gln386-Ala427
Tag	C-His
Form	Supplied as 0.22µm filtered solution in PBS (pH 7.4).
Bio-activity	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.
Molecular Mass	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.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC.
Storage	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](#)

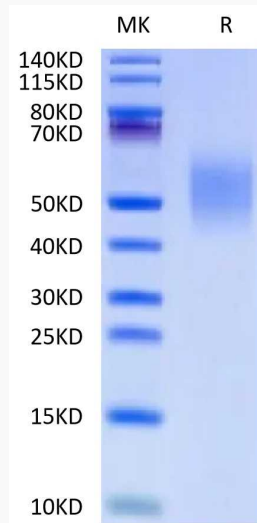
UniProt ID [P16070](#)

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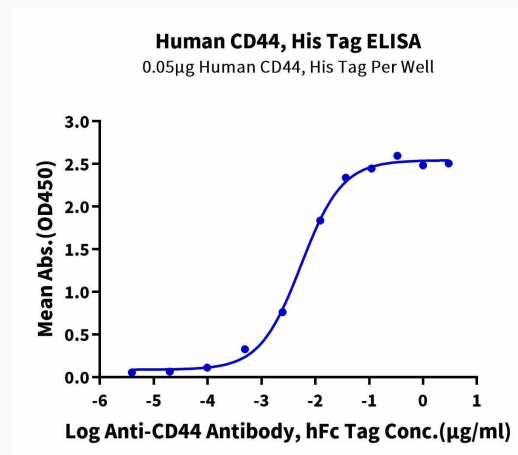
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Tris-Bis PAGE



ELISA



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