

Recombinant Human CD44 Molecule (Indian Blood Group)

Cat. No. CD44-1412H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CD44 protein is produced from cell culture supernatants.
Species	Human
Description	CD44 is a cell-surface glycoprotein that plays a role in cell-cell interactions, cell adhesion and migration. CD44 is a receptor for hyaluronic acid and also interacts with other ligands, such as osteopontin, collagens, and matrix metalloproteinases. CD44 participates in a wide variety of cellular functions such as lymphocyte activation, recirculation and homing, hematopoiesis, and tumor metastasis. CD44 and CD49d are putative activity markers and CD44 a potential novel therapeutic target in multiple sclerosis. Increased CD44 antigen is associated with relapses in non-small cell lung cancers.
Presentation	It is presented in cell culture supernatants containing 1%FCS, 0.2mM Natriumbutyrate, penicillin, streptomycin und amphotericin B.
Concentration	11.5 µg/ml.
Storage	It is shipped at -20°C. Store at -20°C.

GENE INFORMATION

Gene Name	CD44 CD44 molecule (Indian blood group) [Homo sapiens]
Synonyms	CD44; CD44 molecule (Indian blood group); IN; LHR; MC56; MDU2; MDU3; MIC4;

 Tel: 1-631-559-9269 1-516-512-3133

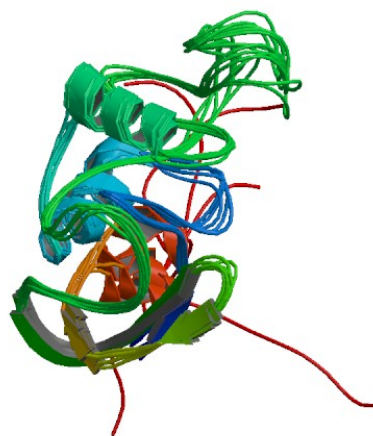
 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Pgp1; CDW44; CSPG8; HCELL; MUTCH-I; ECMR-III; MGC10468; CD44 antigen; CD44 antigen (homing function and Indian blood group system); CDW44 antigen; GP90 lymphocyte homing/adhesion receptor; Hermes antigen; antigen gp90 homing receptor; cell adhesion molecule; cell surface glycoprotein CD44; chondroitin sulfate proteoglycan 8; extracellular matrix receptor-III; hematopoietic cell E- and L-selectin ligand; heparan sulfate proteoglycan; homing function and Indian blood group system; hyaluronate receptor; phagocytic glycoprotein I

Gene ID	960
mRNA Refseq	NM_000610
Protein Refseq	NP_000601
MIM	07269
UniProt ID	P16070
Chromosome Location	11p13
Pathway	ECM-receptor interaction; Hematopoietic cell lineage
Function	collagen binding; hyaluronic acid binding; phosphoprotein binding; receptor activity

PDB rendering based
on 1poz.



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