

Active Recombinant Rat Cd44 Protein, Fc Chimera

Cat. No. Cd44-1017R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Cd44 (Accession # O70509), fused with , was produced in Mouse myeloma cell line, NS0-derived.
Species	Rat
Source	Mammalian Cells
ProteinLength	22-271 aa
Predicted N Terminal	Result not obtained, Gln22 is predicted
Form	Lyophilized from a 0.2 µ filtered solution in PBS.
Bio-activity	Measured by its binding ability in a functional ELISA. When Recombinant Rat CD44 Fc Chimera is present at 1 µg/mL, the concentration of biotinylated hyaluronan that produces 50% of the optimal binding response is found to be approximately 10 - 50 ng/mL.
Molecular Mass	Recombinant Rat Cd44, Fc Chimera has a calculated MW of 54.2 kDa (monomer). In SDS-PAGE migrates as 80-100 kDa, reducing conditions.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3

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months (-70°C).

Reconstitution Reconstitute at 500 µg/mL in PBS.

GENE INFORMATION

Gene Name Cd44 Cd44 molecule [*Rattus norvegicus*]

Official Symbol Cd44

Synonyms CD44; Cd44 molecule; CD44 antigen; PGP-1; PGP-I; HUTCH-I; ECMR-III; hermes antigen; hyaluronate receptor; phagocytic glycoprotein 1; phagocytic glycoprotein I; extracellular matrix receptor III; GP90 lymphocyte homing/adhesion receptor; Cell surface glycoprotein CD44 (hyaluronate binding protein); CD44A; META4; RHAMM; MGC124941;

Gene ID 25406

mRNA Refseq NM_012924

Protein Refseq NP_037056

MIM

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