Active Recombinant Rat Cd44 Protein, Fc-tagged, Alexa Fluor 647 conjugated

Cat. No. Cd44-1017RAF647 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Alexa Fluor 647 conjugated 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
Form	Lyophilized
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.
N-terminal Sequence Analysis	Result not obtained, Gln 22 is predicted
Purity	> 95 % by SDS-PAGE under reducing conditions and visualized by silver stain.

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Characteristic	Disulfide-linked homodimer Labeled with Alexa Fluor 647 via amines Excitation = 650 nm Emission = 668 nm
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4 centigrade); After reconstitution under sterile conditions for 3 months (-70 centigrade).
Concentration	500 μg/mL
Storage Buffer	Lyophilized from a 0.2 μm filtered solution in PBS.
Reconstitution	Reconstitute at 500 μg/mL in PBS.
Conjugation	Alexa Fluor 647

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; METAA; RHAMM; MGC124941;
Gene ID	25406

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mRNA Refseq	NM_012924
Protein Refseq	NP_037056

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