

# Active Recombinant Rat Cd44 Protein, Fc-tagged, Alexa Fluor 555 conjugated

**Cat. No.** Cd44-1017RAF555    **Lot. No.** (See product label)

## SPECIFICATION

|                                     |   |
|-------------------------------------|---|
| <b>Product Overview</b>             | Alexa Fluor 555 conjugated recombinant Rat Cd44 (Accession # O70509), fused with , was produced in Mouse myeloma cell line, NS0-derived.  |
| <b>Species</b>                      | Rat   |
| <b>Source</b>                       | Mammalian Cells   |
| <b>ProteinLength</b>                | 22-271 aa   |
| <b>Form</b>                         | Lyophilized   |
| <b>Bio-activity</b>                 | 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. |
| <b>Molecular Mass</b>               | Recombinant Rat Cd44, Fc Chimera has a calculated MW of 54.2 kDa (monomer). In SDS-PAGE migrates as 80-100 kDa, reducing conditions.  |
| <b>N-terminal Sequence Analysis</b> | Result not obtained, Gln 22 is predicted  |
| <b>Purity</b>                       | > 95 % by SDS-PAGE under reducing conditions and visualized by silver stain.  |

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|                       |  |
|-----------------------|--|
| <b>Characteristic</b> | <p>Disulfide-linked homodimer</p> <p>Labeled with Alexa Fluor 555 via amines</p> <p>With an excitation and emission maximum of 555/565 nm, Alexa Fluor 555 can be efficiently excited using a 543 nm He-Ne laser line and detected under standard TRITC/Cy3 filters.</p> |
| <b>Storage</b>        | 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).  |
| <b>Concentration</b>  | 500 µg/mL  |
| <b>Storage Buffer</b> | Lyophilized from a 0.2 µm filtered solution in PBS.  |
| <b>Reconstitution</b> | Reconstitute at 500 µg/mL in PBS.  |
| <b>Conjugation</b>    | Alexa Fluor 555  |

## GENE INFORMATION

|                        |  |
|------------------------|--|
| <b>Gene Name</b>       | <a href="#">Cd44 Cd44 molecule [ Rattus norvegicus ]</a>   |
| <b>Official Symbol</b> | <a href="#">Cd44</a>   |
| <b>Synonyms</b>        | 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; |
| <b>Gene ID</b>         | <a href="#">25406</a>  |

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mRNA Refseq [NM\\_012924](#)

Protein Refseq [NP\\_037056](#)

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