

# Active Recombinant Mouse Cd44 Protein, Fc-tagged, Alexa Fluor 488 conjugated

**Cat. No.** Cd44-624MAF488    **Lot. No.** (See product label)

## SPECIFICATION

|                                     |   |
|-------------------------------------|---|
| <b>Product Overview</b>             | Alexa Fluor 488 conjugated recombinant Mouse Cd44 (Accession # NP_033981), fused with , was produced in Chinese Hamster Ovary cell line, CHO-derived.   |
| <b>Species</b>                      | Mouse   |
| <b>Source</b>                       | CHO   |
| <b>Form</b>                         | Lyophilized   |
| <b>Bio-activity</b>                 | Measured by its binding ability in a functional ELISA. When rmCD44 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 15-60 ng/mL. |
| <b>Molecular Mass</b>               | Recombinant Mouse Cd44, Fc Chimera has a calculated MW of 49.3 kDa (monomer). In SDS-PAGE migrates as 70-95 kDa, reducing conditions.   |
| <b>N-terminal Sequence Analysis</b> | Gln 25  |
| <b>Purity</b>                       | > 95 % by SDS-PAGE under reducing conditions and visualized by silver stain.  |
| <b>Characteristic</b>               | Disulfide-linked homodimer<br>Labeled with Alexa Fluor 488 via amines<br>Excitation Wavelength: 488 nm  |

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Emission Wavelength: 515-545 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).

**Storage Buffer**

Lyophilized from a 0.2 µm filtered solution in PBS.

**Conjugation**

Alexa Fluor 488

## GENE INFORMATION

**Gene Name**

[Cd44 CD44 antigen \[ Mus musculus \]](#)

**Official Symbol**

[Cd44](#)

**Synonyms**

CD44; CD44 antigen; PGP-I; HUTCH-I; ECMR-III; hermes antigen; hyaluronate receptor; lymphocyte antigen 24; phagocytic glycoprotein 1; phagocytic glycoprotein I; extracellular matrix receptor III; GP90 lymphocyte homing/adhesion receptor; Ly-24; Pgp-1; HERMES; AU023126; AW121933; AW146109;

**Gene ID**

[12505](#)

**mRNA Refseq**

[NM\\_001039150](#)

**Protein Refseq**

[NP\\_001034239](#)

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