

Active Recombinant Mouse CD48 Protein, His-tagged, Alexa Fluor 488 conjugated

Cat. No. CD48-867MAF488 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Alexa Fluor 488 conjugated recombinant mouse CD48 (NP_031675.1) without the propeptide, corresponding to the amino acids (Met 1-Arg 216) was expressed with a C-terminal polyhistidine tag.
Species	Mouse
Source	HEK293
ProteinLength	205
Form	Lyophilized
Bio-activity	1. Measured by its ability to bind human 2B4 in a functional ELISA. 2. Measured by its ability to bind biotinylated recombinant mouse CD2 in a functional ELISA.
Molecular Mass	The secreted recombinant mouse CD48 consists of 205 amino acids and has a calculated molecular mass of 23.7 kDa. As a result of glycosylation, the apparent molecular mass of the recombinant protein is approximately 45-60 kDa in SDS-PAGE under reducing conditions.
N-terminal Sequence Analysis	Phe 23

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Endotoxin	< 1.0 EU/ µg of the protein as determined by the LAL method.
Purity	> 85 % as determined by SDS-PAGE
Characteristic	Disulfide-linked homodimer Labeled with Alexa Fluor 488 via amines Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Stability	Samples are stable for up to 12 months from date of receipt at -70 centigrade.
Storage	Store it under sterile conditions at -20 to -70 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Lyophilized from sterile PBS, pH 7.4, 5%-8% trehalose and mannitol.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 µg/µL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.
Conjugation	Alexa Fluor 488

GENE INFORMATION

Gene Name	Cd48 CD48 antigen [<i>Mus musculus</i>]
Official Symbol	CD48
Synonyms	CD48; CD48 antigen; HM48-1; BCM1 surface antigen; MRC OX-45 surface antigen; BCM1; BLAST; Bcm-1; BLAST1; SLAMF2; Sgp-60; BLAST-1; MEM-102; AI449234; AW610730;

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Gene ID	12506
mRNA Refseq	NM_007649
Protein Refseq	NP_031675

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