

Active Recombinant Mouse CD48 Protein, His-tagged

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

SPECIFICATION

Product Overview	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	1-216 a.a.
Predicted N Terminal	Phe 23
Form	Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.
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.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	>85 % as determined by SDS-PAGE.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	Cd48 CD48 antigen [Mus musculus]
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;
Gene ID	12506
mRNA Refseq	NM_007649
Protein Refseq	NP_031675
MIM	
UniProt ID	
Pathway	Cell surface interactions at the vascular wall, organism-specific biosystem; Hemostasis, organism-specific biosystem; Natural killer cell mediated cytotoxicity, organism-specific biosystem; Natural killer cell mediated cytotoxicity, conserved biosystem;

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Function

antigen binding; eukaryotic cell surface binding; protein binding; receptor activity;

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