

Active Recombinant Human CD48, Fc-tagged, Biotinylated

Cat. No. CD48-680H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The recombinant human SLAMF2-Fc fusion protein is expressed as a 421-amino acid protein consisting of Gln27 - Arg219 region of SLAMF2 (UniProt accession #P09326) and a C-terminal Fc from human IgG1, which exists as a dimer under non-reducing conditions.
Species	Human
Source	Human Cells
ProteinLength	27-219 a.a.
Form	Supplied at 0.5 mg/ml in sterile PBS pH7.4 (carrier & preservative free). The purified recombinant protein was labeled with Biotin (3-5 Biotin per molecule).
Bio-activity	Immobilized SLAMF2 interacts heterophilically with CD2 and SLAMF4/CD244/2B4.
Molecular Mass	Calculated molecular mass (kDa): 47.8; Estimated by SDS-PAGE under reducing condition (kDa): 60-70
AA Sequence	QGHVHMTVVSGSNVTNLNISESLPENYKQLTWFYTFDQKIVEWDSRKSKEYFESKFK GRVRLDPQSGALYISKVQK EDNSTYIMRVLKKTGNEQEWKIKLQVLDPVPPKPKVIEK IEDMDDNCYLKLSVIPGESVNYTWYGDKRPFPE LQNSVLETTLMPHNYSRCYTC QVNSNSVSSKNGTVCLSPPTLARSTGHTCPPCPAPELLGGPSVFLFPPKPKD TLM SRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVL HQDWLNGKEYCKV SNKALPAIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSL

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	TCLVKGFYPSDIAVEWESNGQPENNYKTTPPV LDDGSFFLYSKLTVDKSRWQQG NVFSCSVMEALHNHYTQKSLSLSPGK
Endotoxin	<0.1 eu="" per="" 1="" μg="" of="" purified="" recombinant="" protein="" determined="" by="" the="" lal="">
Purity	>95% judged by SDS-PAGE under reducing condition
Storage	The product is shipped at 4°C. Upon receipt, centrifuge the product briefly before opening the vial. It is recommended to store small aliquots at the temperature below –20°C for long-term storage and the product is stable for 3 months. The undiluted protein can be stored at 4°C for no more than 2 weeks. Avoid repeated freeze-thaw cycles.
Conjugation	Biotin

GENE INFORMATION

Gene Name	CD48 CD48 molecule [Homo sapiens]
Official Symbol	CD48
Synonyms	CD48; CD48 molecule; BCM1, CD48 antigen (B cell membrane protein) , CD48 molecule; CD48 antigen; BLAST; hCD48; mCD48; SLAMF2; TCT.1; BCM1 surface antigen; leukocyte antigen MEM-102; B-lymphocyte activation marker BLAST-1; CD48 antigen (B-cell membrane protein); BCM1; BLAST1; MEM-102;
Gene ID	962
mRNA Refseq	NM_001256030

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Protein Refseq	NP_001242959
MIM	109530
UniProt ID	P09326
Chromosome Location	1q21.3-q22
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;
Function	antigen binding; eukaryotic cell surface binding; protein binding; receptor activity;

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