

Recombinant Human CD48 Protein

Cat. No. CD48-646H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CD48 protein without tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	243
Description	This gene encodes a member of the CD2 subfamily of immunoglobulin-like receptors which includes SLAM (signaling lymphocyte activation molecules) proteins. The encoded protein is found on the surface of lymphocytes and other immune cells, dendritic cells and endothelial cells, and participates in activation and differentiation pathways in these cells. The encoded protein does not have a transmembrane domain, however, but is held at the cell surface by a GPI anchor via a C-terminal domain which maybe cleaved to yield a soluble form of the receptor. Multiple transcript variants encoding different isoforms have been found for this gene.
Form	Lyophilized
Molecular Mass	23.2 kDa
AA Sequence	MCSRGWDSCLALELLLLPLSLLVTSIQGHLVHMTVVSGSNVTLNISESLPENYKQLT WFYTFDQKIVEWDSRKSKEYFESKFGRVRLDPQSGALYISKVQKEDNSTYIMRVLKK TGNEQEWKIKLQVLDPVPKPVKIEKIEDMDDNCYLKLSKVIPGESVNYTWYGDKRPF PKELQNSVLETTLMPHNYSRCYTCQVSNSVSSKNGTVCLSPPTLARSFGVEWIAS

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	WLVVTVP TILG LLLT
Purity	> 98%
Applications	WB; ELISA; FACS; FC
Stability	This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.
Storage	At -20 centigrade.
Concentration	1 mg/mL
Storage Buffer	PBS (pH 7.4-7.5). Sterile-filtered colorless solution.
Reconstitution	Reconstitute in sterile distilled H ₂ O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

GENE INFORMATION

Gene Name	CD48 CD48 molecule [Homo sapiens (human)]
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;

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Gene ID	962
mRNA Refseq	NM_001256030
Protein Refseq	NP_001242959
MIM	109530
UniProt ID	P09326

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