

Recombinant Mouse CD48 Protein (His Tag)

Catalog No. PKSM041220

Note: Centrifuge before opening to ensure complete recovery of vial contents.

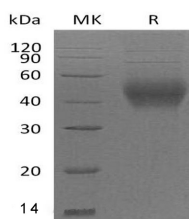
Description

Synonyms	CD48;BLAST1;BCM1;SLAMF2;SLAM Family Member 2;AI449234;AW610730;Bcm-1;BLAST-1;MEM-102;Sgp-60
Species	Mouse
Expression Host	HEK293 Cells
Sequence	Phe23-Arg216
Accession	Q18PH8
Calculated Molecular Weight	23.1 kDa
Observed molecular weight	45-50 kDa
Tag	C-His
Bioactivity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

CD48 is a GPI-linked protein in the CD2 family of immunoglobulin superfamily proteins. CD48 is expressed on most

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lineage-committed hematopoietic cells but not on hematopoietic stem cells or multipotent hematopoietic progenitors. Among dendritic cells (DC), CD48 is selectively expressed on circulating myeloid DC and resident bone marrow and thymus DC. CD2, 2B4, and heparan sulfate function as CD48 ligands. CD48 is competent to transduce signals and can also trigger signaling through CD2 or 2B4. CD48 expressed on NK cells is coactivating, whereas CD48 expressed on other cell types inhibits NK cell activation.