

Recombinant Mouse CD48 Protein (His Tag)

Catalog No. PKSM040692

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

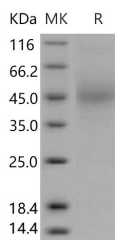
Description

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	Met 1-Arg 216
Accession	NP_031675.1
Calculated Molecular Weight	23.7 kDa
Tag	C-His
Bioactivity	Measured by its ability to bind human 2B4 and biotinylated recombinant mouse CD2 in functional ELISA.

Properties

Purity	> 85 % 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 sterile 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



> 85 % as determined by reducing SDS-PAGE.

Background

Cluster of Differentiation 48 (CD48), also known as SLAMF2, BCM-1 and BLAST-1, is a GPI-linked protein belonging

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to the CD2 subfamily of immunoglobulin superfamily molecules. CD2 and 2B4 (CD244) are known ligands for CD48. CD48 protein is expressed on most lineage-committed hematopoietic cells but not on hematopoietic stem cells or multipotent hematopoietic progenitors. CD48 protein performs biological functions in a variety of processes including adhesion, pathogen recognition, cellular activation, and cytokine regulation, and emerges as a critical effector molecule in immune responses.