Recombinant Human SLAMF2/CD48 Protein

Catalog No.: RP00107

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Sequence Information

Species
Human

Gene ID
962

Swiss Prot
P09326

Tags
C-hFc&His

Synonyms
BCM1, BLAST, BLAST1, MEM-102, SLAMF2, hCD48, mCD48,CD48, BLAST,BLAST1,MEM-102,SLAMF2, hCD48,mCD48

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
49.13 kDa

Observed MW
55-70 kDa

Endotoxin
< 0.1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.Contact us for customized product form or formulation.

Reconstitution
Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

This protein is 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.

Basic Information

Description
Recombinant Human SLAMF2/CD48 Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Gln27-Ser220) of human CD48/SLAMF2/BCM1 (Accession #NP_001769.2) fused with an Fc, 6×His tag at the C-terminus.

Activity
Measured by its binding ability in a functional ELISA. Immobilized Recombinant human CD244 at 5 μg/mL (100 μL/well) can bind Recombinant human CD48 with a linear range of 0.15-0.65 μg/mL.

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

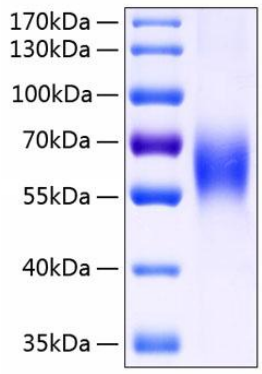
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

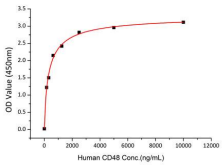
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Validation Data



Recombinant Human SLAMF2/CD48 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



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