

Recombinant Human SLAMF2/CD48 Protein

Catalog No.: RP00266 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	962	P09326

Tags

C-His

Synonyms

BCM1; BLAST; BLAST1; MEM-102;
SLAMF2; hCD48;
mCD48;CD48;BLAST;BLAST1;MEM-102;S
LAMF2;hCD48;mCD48

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

Calculated MW	Observed MW
23.18 kDa	35-42 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 stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

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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 cells expression system. The target protein is expressed with sequence (Gln27-Ser220) of human CD48/SLAMF2/BCM1 (Accession #NP_001769.2) fused with a 6×His tag at the C-terminus.

Bio-Activity

Measured by its binding ability in a functional ELISA. Immobilized recombinant human CD48 at 5 μg/mL (100 μL/well) can bind recombinant human CD244 with a linear range of 0.2-1 μg/mL.

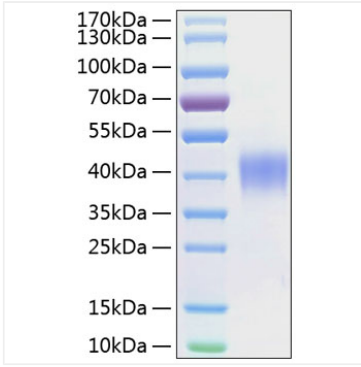
Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

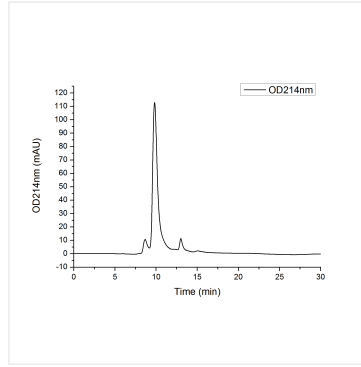
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

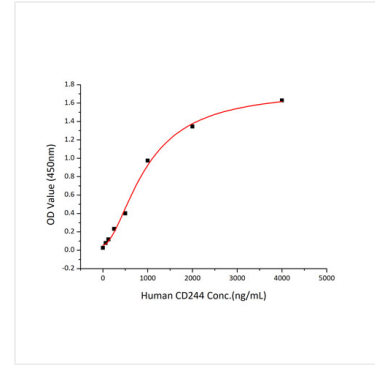
Validation Data



Recombinant Human SLAMF2/CD48 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 35-42 kDa.



The purity of Human CD48/SLAMF2/BCM1 Protein (Cat.RP00266) was greater than 90% as determined by SEC-HPLC.



Immobilized recombinant human CD48 at 5 μ g/mL (100 μ L/well) can bind recombinant human CD244 with a linear range of 0.2-1 μ g/mL.