

Recombinant Mouse SLAMF2/CD48 Protein

Catalog No.: RP01591

Sequence Information

Species **Gene ID**
Mouse 12506

Swiss Prot **Tags**
P18181 C-hFc

Synonyms

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

Product Information

Source **Purification**
HEK293 cells ≥ 95 % as
 determined by
 SDS-PAGE.

Calculated MW **Observed MW**
48.25 kDa 65-75 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.

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.

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 Mouse SLAMF2/CD48 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Phe23-Arg216) of mouse SLAMF2/CD48 (Accession #NP_031675.1) fused with a hFc tag at the C-terminus.

Activity

Measured by its binding ability in a functional ELISA. Immobilized Human CD48 (Catalog: RP01591) at 10 μg/mL (100 μL/well) can bind Human CD224 (Catalog: RP00167) with a linear range of 0.87-18.4 ng/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°C

Operational Notes

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

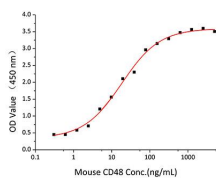
Contact

☎ | 400-999-6126

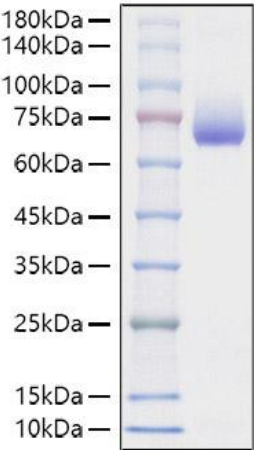
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Validation Data



Immobilized Mouse CD48 (Catalog: RP01591) at 10 µg/mL (100 µL/well) can bind Human CD224 (Catalog: RP00167) with a linear range of 0.87~18.4 ng/mL.



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