

Recombinant Mouse ALCAM/CD166 Protein

Catalog No.: RP01574

Sequence Information

Species **Gene ID**
Mouse 11658

Swiss Prot **Tags**
Q61490 C-His

Synonyms
CD166, MEMD, ALCAM

Product Information

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

Calculated MW **Observed MW**
56.98 kDa 70–75 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 activated leukocyte cell adhesion molecule (ALCAM), also known as CD166 (cluster of differentiation 166), which is a member of a subfamily of immunoglobulin receptors with five immunoglobulin-like domains (VVC2C2C2) in the extracellular domain. This protein binds to T-cell differentiation antigen CD6, and is implicated in the processes of cell adhesion and migration. Multiple alternatively spliced transcript variants encoding different isoforms have been found.

Basic Information

Description

Recombinant Mouse ALCAM/CD166 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Trp28–Lys527) of mouse ALCAM/CD166 (Accession #NP_033785.1) fused with a 6×His tag at the C-terminus.

Activity

Measured by its binding ability in a functional ELISA. Immobilized Mouse CD166 (Catalog: RP01574) at 10 μg/mL (100 μL/well) can bind Human CD6 (Catalog: RP01081) with a linear range of 0.17–80.5 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.

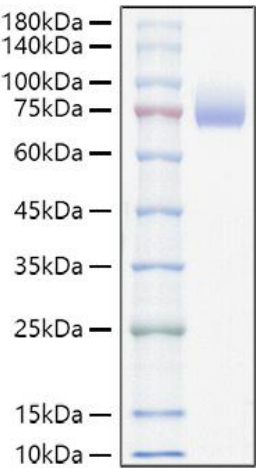
Contact

☎ | 400-999-6126

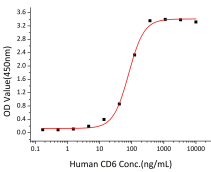
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Validation Data



Recombinant Mouse ALCAM/CD166 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



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