Leader in Biomolecular Solutions for Life Science

www.abclonal.com

Active Recombinant Human ALCAM/CD166 Protein

Catalog No.: RP00119 Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	214	Q13740

Tags
C-hFc&His

Synonyms
CD166;MEMD

Product Information

Source	Purification
HEK293 cells	> 97% by SDS-PAGE.

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
Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

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 antigene 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
Active Recombinant Human ALCAM/CD166 Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Met1-Ala526) of human ALCAM/CD166 (Accession #NP_001618.2) fused with an Fc, 6×His tag at the C-terminus.

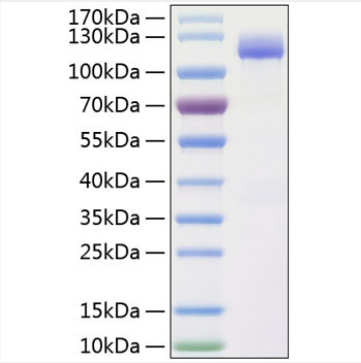
Bio-Activity
Measured by its binding ability in a functional ELISA.Immobilized Human CD6 at 1 μg/mL (100 μL/well) can bind Human CD166 with a linear range of 0.05-1.2 ng/mL.

Storage
Store the lyophilized protein at -20℃ to -80 ℃ for long term.
After reconstitution, the protein solution is stable at -20 ℃ for 3 months, at 2-8 ℃ for up to 1 week.
Avoid repeated freeze/thaw cycles.

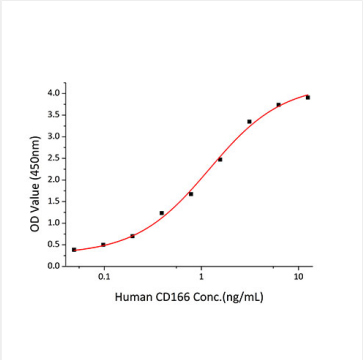
Contact

www.abclonal.com

Validation Data



Active Active Recombinant Human ALCAM/CD166 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 120 kDa.



Immobilized recombinant Human CD6 at 1 μg/mL (100 μL/well) can bind Human CD166 with a linear range of 0.05-1.2ng/mL.