

Human CellExp CD166/ ALCAM, human recombinant protein
CD166, ALCAM, CD6L, KG-CAM, MEMD
Catalog # PBV11058r**Specification**

Human CellExp CD166/ ALCAM, human recombinant protein - Product infoPrimary Accession
Calculated MW[Q13740](#)

This protein is fused with 6×his tag at the C-terminus, and has a calculated MW of 56.8 kDa. The predicted N-terminus is Trp 28. DTT-reduced Protein migrates as 65-80 kDa in SDS-PAGE due to glycosylation. KDa

Human CellExp CD166/ ALCAM, human recombinant protein - Additional InfoGene ID
Gene Symbol
Other Names
CD166, ALCAM, CD6L, KG-CAM, MEMD214
ALCAMGene Source
Source
Assay&Purity
Assay2&Purity2
Recombinant
Results

Human
HEK293 cells
SDS-PAGE; ≥95%
N/A;
Yes
Measured by its binding ability in a functional ELISA. Immobilized rh CD166 / ALCAM at 10 µg/ml (100 µl/well) can bind mouse CD6 Fc Chimera. The EC50 of mouse CD6 Fc Chimera is 0.1-0.22 µg/ml.

Target/Specificity
CD166/ ALCAM**Application Notes**

Centrifuge the vial prior to opening. Reconstitute in sterile PBS, pH 7.4 to a concentration of 50 µg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 month. For extended storage, it is recommended to store at -20°C.

Format
Lyophilized**Storage**

-20°C; Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally Mannitol or Trehalose is added as protectants before lyophilization.

Human CellExp CD166/ ALCAM, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Human CellExp CD166/ ALCAM, human recombinant protein - Images

Human CellExp CD166/ ALCAM, human recombinant protein - Background

CD166 antigen is a 100-105 kDa type I transmembrane glycoprotein that is a member of the immunoglobulin superfamily of proteins, which is also known as activated leukocyte cell adhesion molecule (ALCAM) in human, SC-1/DM-GRASP/BEN in the chicken, and KG-CAM in the rat. CD166 is a cell adhesion molecule that binds to CD6. CD166 involved in neurite extension by neurons via heterophilic and homophilic interactions.

Human CellExp CD166/ ALCAM, human recombinant protein - References

Bowen M.A., et al. J. Exp. Med. 181:2213-2220(1995).
Ikeda K., et al. J. Biol. Chem. 279:55315-55323(2004).
Abe Y., et al. Submitted (APR-2006) to the EMBL/GenBank/DDBJ databases.
Muzny D.M., et al. Nature 440:1194-1198(2006).
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