Human ALCAM Protein, His Tag

Catalog # CD6-H5228

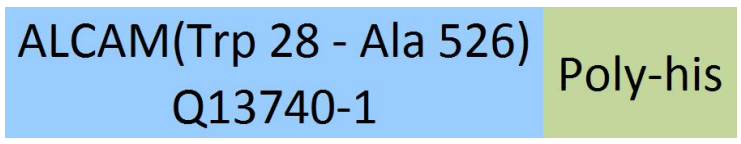
Synonym

CD166,ALCAM,CD6L,KG-CAM,MEMD

Source

Human ALCAM, His Tag(CD6-H5228) is expressed from human 293 cells (HEK293). It contains AA Trp 28 - Ala 526 (Accession # Q13740-1).
Predicted N-terminus: Trp 28

Molecular Characterization



This protein carries a polyhistidine tag at the C-terminus.

The protein has a calculated MW of 57.8 kDa. The protein migrates as 70-100 kDa under reducing (R) condition, and 66-100 kDa under non-reducing (NR) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per μg by the LAL method / rFC method.

Purity

>95% as determined by SDS-PAGE.

Formulation

Lyophilized from 0.22 μm filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Storage

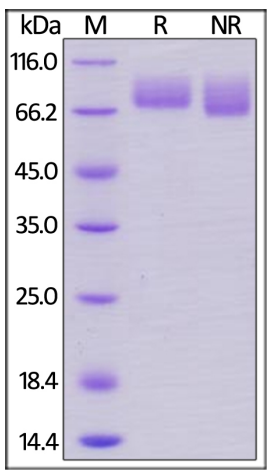
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

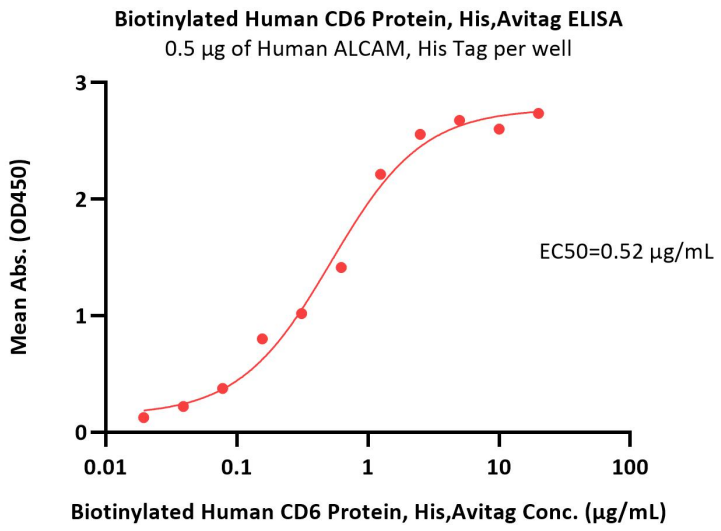
- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE



Human ALCAM, His Tag on SDS-PAGE under reducing (R) and non-reducing (NR) conditions. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%.

Bioactivity-ELISA



Immobilized Human ALCAM, His Tag (Cat. No. CD6-H5228) at 5 μg/mL (100 μL/well) can bind Biotinylated Human CD6 Protein, His,Avitag (Cat. No. CD6-H82E3) with a linear range of 0.02-5 μg/mL (Routinely tested).

Background

CD166 antigen is a 100-105 kD typeI 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.