

Active Recombinant Human ALCAM protein, His-Fc-tagged

Cat. No. ALCAM-3241H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human ALCAM protein is expressed with sequence (Met1-Ala526) of human ALCAM/CD166 (Accession #NP_001618.2) fused with an Fc, 6xHis tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	1-526 aa
Form	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.
Bio-activity	1. 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. 2. Measured by its ability to block adhesion of Jurkat cells to immobilized Recombinant Human CD6 Protein . The ED50 for this effect is 2.7-10.8 µg/mL.
Molecular Mass	85.57 kDa
Endotoxin	< 0.1 EU/µg of the protein by LAL method.
Purity	≥ 95 % as determined by SDS-PAGE.
Storage	Store at -20°C. Store the lyophilized protein at -20°C to -80°C up to 1 year from the

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date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

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.

GENE INFORMATION

Gene Name [ALCAM activated leukocyte cell adhesion molecule \[Homo sapiens \]](#)

Official Symbol [ALCAM](#)

Synonyms ALCAM; activated leukocyte cell adhesion molecule; activated leucocyte cell adhesion molecule; CD166 antigen; CD166; MEMD; FLJ38514; MGC71733;

Gene ID [214](#)

mRNA Refseq [NM_001243280](#)

Protein Refseq [NP_001230209](#)

MIM [601662](#)

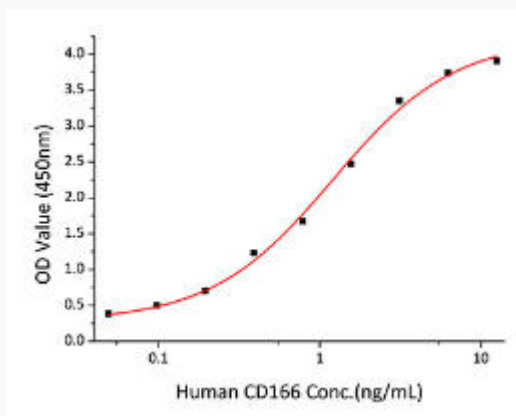
UniProt ID [Q13740](#)

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Activity



SDS-PAGE

