

Datasheet for ABIN7534007
CD166 Protein (Fc Tag,His tag)



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Overview

Quantity:	100 µg
Target:	CD166 (ALCAM)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This CD166 protein is labelled with Fc Tag,His tag.

Product Details

Purpose:	Active Recombinant Human ALCAM/CD166 Protein
Sequence:	MESKGASSCR LLFCLLISAT VFRPGLGWYT VNSAYGDTII IPCRLDVPQN LMFGKWKEYEK PDGSPVFIAF RSSTKKSQY DDVPEYKDRL NLSNYTSLI SNARISDEKR FVCMLVTEDN VFEAPTIVKV FKQPSKPEIV SKALFLETEQ LKKLGDCISE DSYPDGNITW YRNGKVLHPL EGAVVIIFKK EMDPVTQLYT MTSTLEYKTT KADIQMPFTC SVTTYGPSGQ KTIHSEQAVF DIYYPTEQVT IQVLPPKNAI KEGDNITLKC LGNGNPPPEE FLFYLPQGPE GIRSSNTYTL TDVRRNATGD YKCSLIDKKS MIASTAITVH YLDLSLNPSG EVTRQIGDAL PVSCTISASR NATVVMKDN IRLRSSPSFS SLHYQDAGNY VCETALQ EVE GLKKRESLTL IVEGKPQIKM TKKTDPGLS KTIICHVEGF PKPAIQWTIT GSGSVINQTE ESPYINGRYY SKIISPEEN VTLTCTAENQ LERTVNSLV SAISIPEHDE ADEISDENRE KVNDQA
Specificity:	Met1-Ala526
Purity:	> 97 % by SDS-PAGE.

Product Details

Sterility:	0.22 µm filtered
Endotoxin Level:	< 0.1 EU/µg of the protein by LAL method.
Biological Activity Comment:	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 ED ₅₀ for this effect is 2.7-10.8 µg/mL.

Target Details

Target:	CD166 (ALCAM)
Alternative Name:	ALCAM/CD166 (ALCAM Products)
Background:	Description: 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. Name: ALCAM,CD166,MEMD, MEMD
Gene ID:	214
UniProt:	Q13740

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid votex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Buffer:	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Storage:	-20 °C,-80 °C

Handling

Storage Comment: Store the lyophilized protein at -20°C to -80 °C for long term.
After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.