abcam

Product datasheet

Recombinant Human CD96 protein (Tagged) (Biotin) ab271455

1 Image

Description

Product name	Recombinant Human CD96 protein (Tagged) (Biotin)
Purity	>= 90 % SDS-PAGE.
Expression system	HEK 293 cells
Accession	P40200
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	GVWEKTVNTE ENVYATLGSD VNLTCQTQTV GFFVQMQWSK VTNKIDLIAV YHPQYGFYCA YGRPCESLVT FTETPENGSK WTLHLRNMSC SVSGRYECML VLYPEGIQTK IYNLLIQTHV TADEWNSNHT IEIEINQTLE IPCFQNSSSK ISSEFTYAWS VENSSTDSWV LLSKGIKEDN GTQETLISQN HLISNSTLLK DRVKLGTDYR LHLSPVQIFD DGRKFSCHIR VGPNKILRSS TTVKVFAKPE IPVIVENNST DVLVERRFTC LLKNVFPKAN ITWFIDGSFL HDEKEGIYIT NEERKGKDGF LELKSVLTRV HSNKPAQSDN LTIWCMALSP VPGNKVWNIS SEKITFLLGS EISSTDPPLS VTESTLDTQP SPASSVSPAR YPATSSVTLV DVSALRPNTT PQPSNSSMTT RGFNYPWTSS GTDTKKSVSR IPSETYSSSP SGAGSTLHDN VFTSTARAFS EVPTTANGST KTNHVHITGI VVNKPKDGM
Predicted molecular weight	84 kDa including tags
Molecular weight information	This protein runs at a higher molecular weight by SDS-PAGE due to glycosylation.
Amino acids	22 to 519
Tags	Avi tag C-Terminus , Fc tag C-Terminus
Additional sequence information	Extracellular domain fused at the C-terminus to the Fc region of Human IgG1.
Conjugation	Biotin

Specifications

Our Abpromise guarantee covers the use of **ab271455** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE
Form	Liquid
Additional notes	Enzymatically biotin-labeled using Avi-tag™ technology

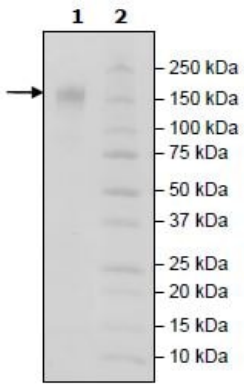
Preparation and Storage

Stability and Storage	Shipped on Dry Ice. Store at -80°C. Avoid freeze / thaw cycle. Store In the Dark. pH: 7.4 Constituents: 0.13% Sodium phosphate, 0.64% Sodium chloride, 0.02% Potassium chloride, 20% Glycerol

General Info

Function	May be involved in adhesive interactions of activated T and NK cells during the late phase of the immune response. Promotes NK cell-target adhesion by interacting with PVR present on target cells. May function at a time after T and NK cells have penetrated the endothelium using integrins and selectins, when they are actively engaging diseased cells and moving within areas of inflammation.
Tissue specificity	Expressed on normal T-cell lines and clones, and some transformed T-cells, but no other cultured cell lines tested. It is expressed at very low levels on activated B-cells.
Involvement in disease	Defects in CD96 are a cause of C syndrome (CSYN) [MIM:211750]; also called Opitz trigonocephaly syndrome. This syndrome is characterized by trigonocephaly and associated anomalies, such as unusual facies, wide alveolar ridges, multiple buccal frenula, limb defects, visceral anomalies, redundant skin, psychomotor retardation and hypotonia. Note=A chromosomal aberration involving CD96 has been found in a patient with C syndrome. Translocation t(3;18)(q13.13;q12.1). CD96 gene was located at the 3q13.13 breakpoint. Precise structural analysis around the breakpoint showed that the gene was disrupted by the translocation in exon 5, probably leading to premature termination or loss of expression of CD96 protein. No gene was detected at the chromosome 18 breakpoint. Defects in CD96 are a cause of C-like syndrome (CLSYN) [MIM:605039]; also called Opitz trigonocephaly-like syndrome. The C-like syndrome seems to be a severe form of the C syndrome. It is controversial whether there is (1) a gradient of spectrum in the C syndrome, from the mild form (C syndrome) to the severe form (C-like syndrome), or (2) genetic heterogeneity among the patients with the C syndrome.
Sequence similarities	Contains 1 Ig-like C2-type (immunoglobulin-like) domain. Contains 2 Ig-like V-type (immunoglobulin-like) domains.
Developmental stage	Expressed at low levels on peripheral T-cells and is strongly up-regulated after activation, peaking 6 to 9 days after the activating stimulus.
Cellular localization	Membrane.

Images



SDS-PAGE - Recombinant Human CD96 protein (Tagged) (Biotin) (ab271455)

SDS-PAGE analysis of 3 µg ab271455.

This protein runs at a higher molecular weight due to glycosylation.

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