

Product datasheet

Recombinant Human CD166 protein (Fc Chimera)
ab191959

1 Image

Description

Product name	Recombinant Human CD166 protein (Fc Chimera)	
Purity	> 95 % SDS-PAGE.	
Endotoxin level	< 1.000 Eu/μg	
Expression system	HEK 293 cells	
Accession	Q13740	
Protein length	Protein fragment	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	<p>WYTVNSAYGDTIIIPCRLDVPQNL MFGKWKYEKPDGSPVFI AFRSSTKKS VQYDDVPEYKDRLNLS ENYTL SISNARISDEKRFVCMLVTE DNVFEPTI VKVFKQPSKPEIVSKALFLETEQLK KLGDCISED SYPDGNI TWYRNGKVL HPLEGAVV IIFK KEMDPVTQLY TMTSTLEYKTTKADIQMPFT CSVTYYGP SGQKTIHSEQAVFDIYPT EQVTIQVLP PKNAIKEGDNITLKC LGNGNPP PEEFLFYLP GQPEGIRSSNTYTLTDVRRNATGDYKCSLIDK KSMIASTAI TVHYLDLSL NPSGEVTRQIGDALPV SCTISASRNATVVWM KDNIRLRSSP SFSSLHYQDAGNY/CETALQEVEGLK KRESLTLMEGKPQI KMTKKTDP S GLSKTIICHVEGF PKPAIQWTTITGSGSVINQTEESP YINGRY SKIISP EENVTLTCTAENQLERTVNSLNVSAIS IPEHDEADEISDEN REKVNDQA</p>	
Predicted molecular weight	83 kDa including tags	
Amino acids	28 to 526	

Additional sequence information Fused with Fc fragment of Human IgG1 at the C-terminus (NP_001618).

Specifications

Our [Abpromise guarantee](#) covers the use of **ab191959** 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 Lyophilized

Preparation and Storage

Stability and Storage Shipped at 4°C. Store at 4°C prior to reconstitution. Upon reconstitution add a carrier protein (0.1% BSA). Store at -80°C. Avoid freeze / thaw cycle.

pH: 7.4

Constituents: 0.61% Tris, 5% Trehalose, 0.75% Glycine, L-Arginine, Sodium chloride

Lyophilized from 0.22 µm filtered solution.

5-10% trehalose is commonly used for freeze drying, and after reconstitution, the trehalose is mostly about 3-5%

Reconstitution Reconstitute with sterile deionized water to a concentration of 300 µg/ml.

General Info

Function Cell adhesion molecule that binds to CD6. Involved in neurite extension by neurons via heterophilic and homophilic interactions. May play a role in the binding of T- and B-cells to activated leukocytes, as well as in interactions between cells of the nervous system.

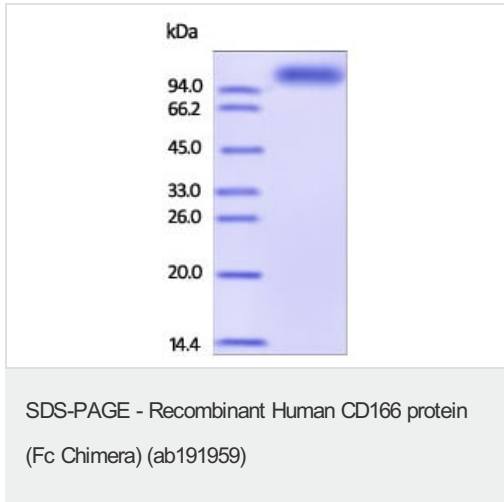
Tissue specificity Spleen, placenta, liver, and weakly in liver. Expressed by activated T-cells, B-cells, monocytes and thymic epithelial cells. Expressed by neurons in the brain. Restricted expression in tumor cell lines. Preferentially expressed in highly metastasizing melanoma cell lines.

Sequence similarities Contains 3 Ig-like C2-type (immunoglobulin-like) domains.
Contains 2 Ig-like V-type (immunoglobulin-like) domains.

Domain The CD6 binding site is located in the N-terminal Ig-like domain.

Cellular localization Membrane.

Images



SDS-PAGE analysis of reduced ab191959 stained overnight with Coomassie Blue. DTT-reduced protein migrates as 95-120 kDa due to glycosylation.

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