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Datasheet for ABIN5855109 CD8B Protein (AA 22-170) (His tag)

Overview

Quantity:	50 µg
Target:	CD8B
Protein Characteristics:	AA 22-170
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD8B protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	ADPFSAPKDQ QVVTAVEYQE AILACKTPKK TVSSRLEWKK LGRSVSFVYY QQTLQGDFKN RAEMIDFNIR IKNVTRSDAG KYRCEVSAPS EQGQNLEEDT VTLEVLVAPA VPSCEVPSSA LSGTVVELRC QDKEGNPAPE YTWFKDGIRL LENPRLGSQS TNSSYTMNTK TGTLQFNTVS KLDTGEYSCE ARNSVGYRRC PGKRMQVDDL NISLEPKSCD KTHTCPPCPA PELLGGPSVF LFPPKPKDTL MISRTPEVTC VVVDVSHEDP EVKFNWYVDG VEVHNAKTKP REEQYNSTYR VVSVLTVLHQ DWLNGKEYKC KVSNAKALPAP IEKTISKAKG QPREPQVYTL PPSRDELTKN QVSLTCLVKG FYPSDIAVEW ESNQGPENNY KTTTPVLDSD GSFFLYSKLT VDKSRWQQGN VFSCSVMHEA LHNHYTQKSL SLSPGKHHHH HH
Purity:	> 90 % by SDS - PAGE
Endotoxin Level:	< 1.0 EU per 1ug of protein (determined by LAL method)

Target Details

Target:	CD8B
Alternative Name:	CD8B (CD8B Products)
Background:	JAM2, also known as junctional adhesion molecule B isoform 1, is a type 1 transmembrane receptor belonging to the immunoglobulin superfamily. This protein is expressed prominently on high endothelial venules of lymphoid organs where it is localized to the intercellular boundaries of high endothelial cells. It can function as an adhesive ligand for the T cell line J45 and can interact with GM-CSF/IL-4-delived peripheral blood dendritic cells. Also, it plays a role in the regulation of transendothelial migration. It binds to very late activation antigen (VLA)-4, a leucocyte integrin that contributes to rolling and firm adhesion of lymphocytes to endothelial cells through binding to vascular cell adhesion molecule (VCAM)-1. Recombinant human JAM2, fused to hlgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Molecular Weight:	50.7kDa (452aa) 50-70kDa (SDS-PAGE under reducing conditions.)
NCBI Accession:	NP_067042
UniProt:	P57087
Pathways:	TCR Signaling

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 50 % glycerol, 1 mM DTT
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.