

Datasheet for ABIN5778807
CD8B Protein (AA 564-1049) (His tag)



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Overview

Quantity:	100 µg
Target:	CD8B
Protein Characteristics:	AA 564-1049
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:	ADPLQQTPAY IKVQTNKMVM LSCEAKISLS NMRIYWLRQR QAPSSDSHHE FLALWDSAKG TIHGEEVEQE KIAVFRDASR FILNLTSVKP EDSGIYFCMI VGSPELTFGK GTQLSVVDFL PTTAQPTKKS TLKKRVCRLP RPETQKGPLC SPHHHHHH
Purity:	> 85 % 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:	CD8B, also known as T-cell surface glycoprotein CD8 beta chain isoform 5, is a cell surface transmembrane glycoprotein. This protein serves as a co-receptor for the T cell receptor (TCR).

Target Details

It found on most cytotoxic T lymphocytes that mediates efficient cell to cell interactions within the immune system. CD8 forms a dimer, consisting of a pair of CD8 chains. The most common form of CD8 is composed of a CD8-alpha and CD8-beta chain. Both members of the immunoglobulin superfamily with an immunoglobulin variable (IgV)-like extracellular domain connected to the membrane by a thin stalk, and an intracellular tail. Recombinant human CD8B, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Molecular Weight: 17.8kDa (158aa) 18-28kDa (SDS-PAGE under reducing conditions)

NCBI Accession: [NP_004922](#)

UniProt: [P10966](#)

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 10 % glycerol.

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.