Datasheet for ABIN5855142

CD3D Protein (AA 22-105) (hIgG-His-tag)

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Overview

Quantity:	50 µg
Target:	CD3D
Protein Characteristics:	AA 22-105
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD3D protein is labelled with hIgG-His-tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	FKIPIEELED RVFVNCNTSI TWVEGTVGTL LSDITRLDLG KRILDPRGIY RCNGTDIYKD KESTVQVHYR MCQSCVELDP ATVA
Purity:	> 90% by SDS-PAGE
Endotoxin Level:	< 1 EU per 1ug of protein (determined by LAL method)

Target Details

Target:	CD3D
Alternative Name:	CD3 delta/CD3D (CD3D Products)
Background:	CD3D, also known as T-cell surface glycoprotein CD3 delta chain isoform A, is a single-pass type 1 membrane protein. This protein together with CD3-gamma, CD3-epsilon and CD3-zeta, and the T-cell receptor (TCR) alpha/beta and gamma/delta heterodimers, forms the T-cell

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Target Details

	receptor-CD3 complex. When antigen presenting cells (APCs) activate T-cell receptor (TCR), TCR-mediated signals are transmitted across the cell membrane by the CD3 chains CD3D, CD3E, CD3G and CD3Z. Also, this protein plays an essential role in adaptive immune response and plays an essential role in thymocyte differentiation. Recombinant human CD3D, fused to hIgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Molecular Weight:	36.5 kDa (323aa)
NCBI Accession:	NP_000723
UniProt:	P04234
Pathways:	TCR Signaling, CXCR4-mediated Signaling Events

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 +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.

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