Datasheet for ABIN7318279

CD3 epsilon Protein (CD3E) (Fc Tag)

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Overview

Quantity:	50 µg
Target:	CD3 epsilon (CD3E)
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This CD3 epsilon protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Human CD3 ε/CD3E Protein (Fc Tag)(Active)
Sequence:	Asp23-Asp126
Characteristics:	Recombinant Human T-cell surface glycoprotein CD3 epsilon chain is produced by our Mammalian expression system and the target gene encoding Asp23-Asp126 is expressed with a Fc tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	Immobilized Human CD3E-Fc at 10µg/ml(100 µl/well) can bind Anti-CD3. The ED50 of Human CD3E-Fc is 4.0 ug/ml .

Target Details

Target:	CD3 epsilon (CD3E)

Target Details

Alternative Name:	CD3 epsilon/CD3E (CD3E Products)
Background:	Background: T-Cell Surface Glycoprotein CD3 ε Chain (CD3ε) is a single-pass type I membrane protein. CD3ε contains 1 Ig-like (immunoglobulin-like) domain and 1 ITAM domain. CD3ε is a polypeptide encoded by the CD3E gene on chromosome 11 in humans. The T cell receptor-CD3 complex (TCR/CD3 complex) is involved in T-cell development and several intracellular signal-transduction pathways. This complex is critical for T-cell development and function, and represents one of the most complex transmembrane receptors. The T cell receptor-CD3 complex is unique in having ten cytoplasmic immunoreceptor tyrosine-based activation motifs (ITAMs). TCR/CD3 complex plays an important role in coupling antigen recognition to several intracellular signal-transduction pathways. Synonym: T-Cell Surface Glycoprotein CD3 Epsilon Chain, T-Cell Surface Antigen T3/Leu-4 Epsilon Chain, CD3e, CD3E, T3E,CD3 epsilon,IMD18
Molecular Weight:	38.7 kDa
UniProt:	P07766
Pathways:	TCR Signaling, CXCR4-mediated Signaling Events, Ubiquitin Proteasome Pathway

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.