

Datasheet for ABIN7274146  
**CD3D & CD3E (AA 23-126) protein (Fc Tag)**



[Go to Product page](#)

7 Images

## Overview

Quantity:	100 µg
Target:	CD3D & CD3E
Protein Characteristics:	AA 23-126
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	Fc Tag

## Product Details

Purpose:	Human CD3E & CD3D/CD3 epsilon & CD3 delta Protein
Sequence:	Asp23-Asp126 (CD3E) & Phe22-Ala105 (CD3D)
Specificity:	Uni-Prot: P07766 (CD3E), P04234 (CD3D)
Characteristics:	Recombinant Human CD3E & CD3D/CD3 epsilon & CD3 delta Protein is expressed from HEK293 with hFc at the C-Terminus. It contains Asp23-Asp126(CD3E) & Phe22-Ala105(CD3D).
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human CD3E&CD3D, hFc Tag at 0.5µg/ml (100µl/Well). Dose response curve for Biotinylated Anti-CD3E&CD3D Ab.1, hFc Tag with the EC50 of 31.68ng/ml determined by ELISA. See testing image for detail.

## Target Details

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Target:	CD3D & CD3E
Alternative Name:	CD3E&CD3D
Background:	T-cell surface glycoprotein CD3 epsilon & CD3 delta chain, also known as CD3E & CD3D , are single-pass type I membrane proteins. 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. All CD3 chains contain immunoreceptor tyrosine-based activation motifs (ITAMs) in their cytoplasmic domain.
Molecular Weight:	37.8 kDa (CD3E) and 35.4 kDa (CD3D). Due to glycosylation, the protein migrates to 40-50 kDa based on Tris-Bis PAGE result.
UniProt:	<a href="#">P07766</a>

## Application Details

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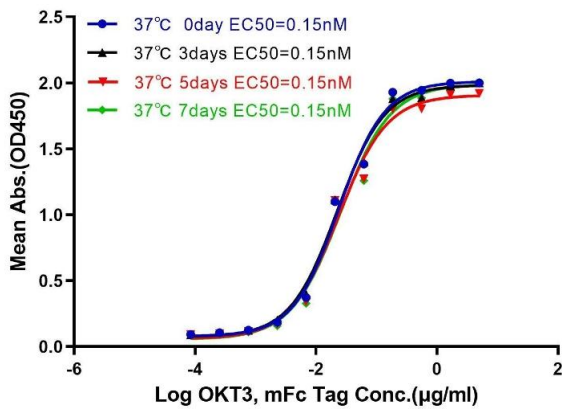
Restrictions:	For Research Use only
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## Handling

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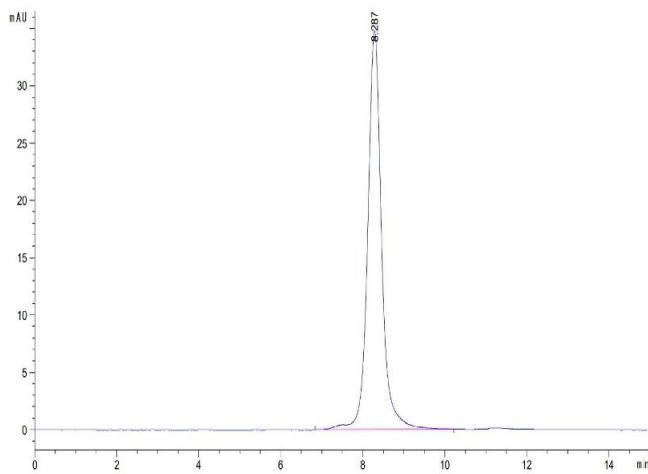
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS ( pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months

**Human CD3E&CD3D, hFc Tag ELISA**  
0.01µg Human CD3E&CD3D, hFc Tag Per Well



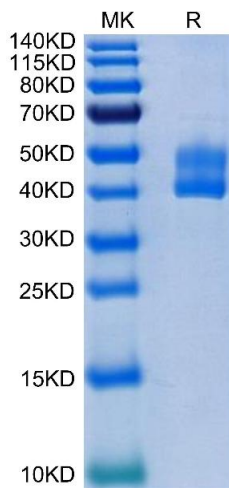
**ELISA**

**Image 1.** Immobilized Human CD3E&CD3D, hFc Tag at 1 µg/mL (100 µL/Well). Dose response curve for Anti-CD3E&CD3D Ab., mFc Tag (OKT3) with the EC50 of 23.8/22.6/23.5/22.8 ng/mL determined by ELISA.



**Size-exclusion chromatography-High Pressure Liquid Chromatography**

**Image 2.** The purity of Human CD3E&CD3D was greater than 95 % as determined by SEC-HPLC.



**SDS-PAGE**

**Image 3.** Human CD3E&CD3D on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN7274146.