

Datasheet for ABIN7274152
CD3E & CD3G (AA 23-126) protein (Fc Tag)



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6 Images

Overview

Quantity:	100 µg
Target:	CD3E & CD3G
Protein Characteristics:	AA 23-126
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	Fc Tag

Product Details

Purpose:	Human CD3E & CD3G/CD3 epsilon & CD3 gamma Protein
Sequence:	Asp23-Asp126 (CD3E) & Gln23-Ser116 (CD3G)
Specificity:	Uni-Prot: P07766 (CD3E), P09693 (CD3G)
Characteristics:	Recombinant Human CD3E & CD3G/CD3 epsilon & CD3 gamma Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Asp23-Asp126(CD3E) & Gln23-Ser116(CD3G).
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&CD3G, hFc Tag at 0.5µg/ml (100µl/Well). Dose response curve for Biotinylated Anti-CD3E&CD3G Ab.1, hFc Tag with the EC50 of 1.22ug/ml determined by ELISA.

Product Details

See testing image for detail.

Target Details

Target:	CD3E & CD3G
Alternative Name:	CD3E&CD3G
Background:	T-cell surface glycoprotein CD3 epsilon & CD3 gamma chain, also known as CD3E & CD3G , 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 36.5 kDa (CD3G). Due to glycosylation, the protein migrates to 40-60 kDa based on Tris-Bis PAGE result.
UniProt:	P07766

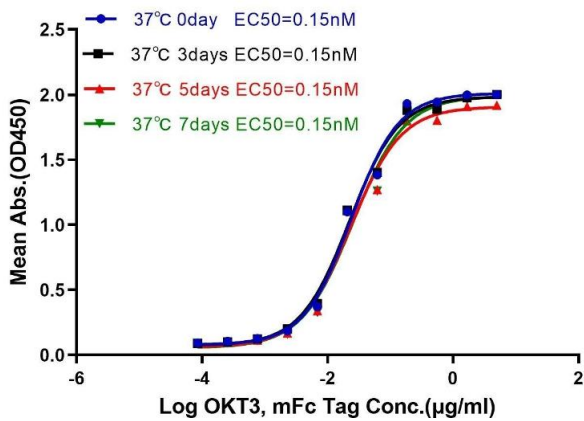
Application Details

Restrictions: For Research Use only

Handling

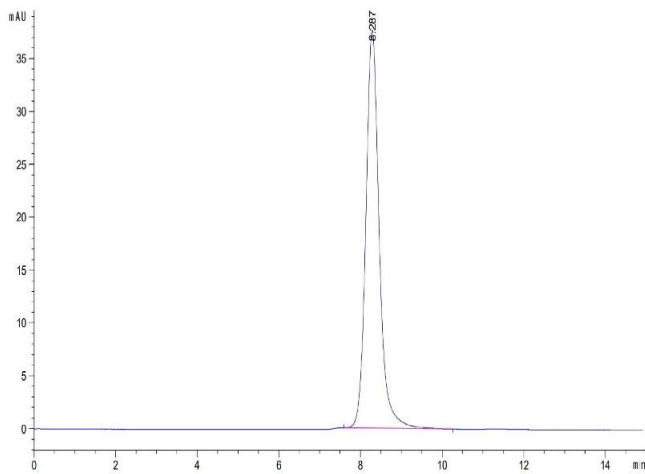
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant 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

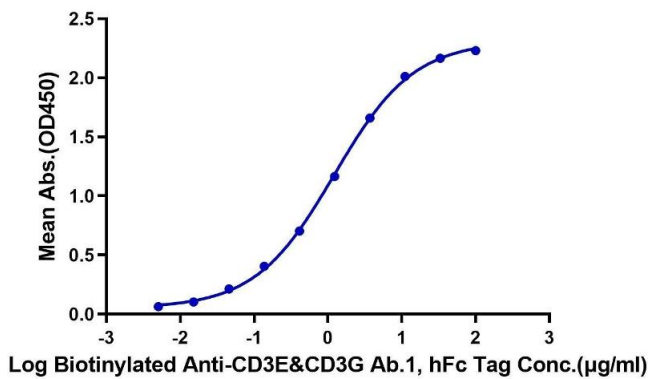
Image 1. Immobilized Human CD3E&CD3G, hFc Tag at 1 µg/mL (100 µL/Well). Dose response curve for Anti-CD3E&CD3G Ab. (OKT3) , mFc Tag with the EC50 of 20.7/19.5/20.0/20.7 ng/mL determined by ELISA.



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human CD3E&CD3G/CD3 Epsilon&CD3 Gamma was greater than 95 % as determined by SEC-HPLC.

Human CD3E&CD3G, hFc Tag ELISA
0.05µg Human CD3E&CD3G, hFc Tag Per Well



ELISA

Image 3. Immobilized Human CD3E&CD3G, hFc Tag at 0.5 µg/mL (100 µL/Well). Dose response curve for Biotinylated Anti-CD3E&CD3G Ab.1, hFc Tag with the EC50 of 1.22 µg/mL determined by ELISA.

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN7274152.