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## CD3 epsilon Protein (CD3E) (AA 23-48) (Fc-Avi Tag)



**Images** 



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Quantity:	100 μg
Target:	CD3 epsilon (CD3E)
Protein Characteristics:	AA 23-48
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD3 epsilon protein is labelled with Fc-Avi Tag.

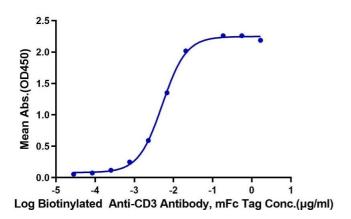
#### **Product Details**

Purpose:	Human CD3E/CD3 epsilon 1-27 peptide Protein
Sequence:	Asp23-Thr48
Characteristics:	Recombinant Human CD3E/CD3 epsilon 1-27 peptide Protein is expressed from HEK293 with hFc tag and Avi tag at the C-Terminus.It contains Asp23-Thr48.
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 1-27 peptide, hFc Tag at 1µg/ml (100µl/Well) on the plate. Dose response curve for Biotinylated Anti-CD3 Antibody, mFc Tag with the EC50 of 5.2ng/ml
	determined by ELISA. See testing image for detail.

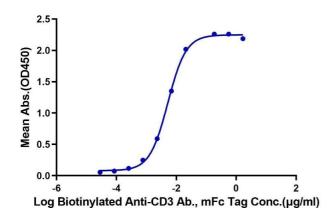
### **Target Details**

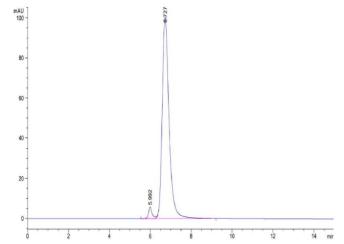
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Target:	CD3 epsilon (CD3E)
Alternative Name:	CD3E (CD3E Products)
Background:	CD3E, is a single-pass type I membrane protein.CD3 (cluster of differentiation 3) T cell co- receptor helps to activate both the cytotoxic T cell (CD8 naive T cells) and also T helper cells
	(CD4 naive T cells). It consists of a protein complex and is composed of four distinct chains. In mammals, the complex contains a CD3 $\gamma$ chain, a CD3 $\delta$ chain, and two CD3 $\epsilon$ chains.
Molecular Weight:	31.3 kDa. Due to glycosylation, the protein migrates to 40-50 kDa based on Tris-Bis PAGE result
UniProt:	P07766
Pathways:	TCR Signaling, CXCR4-mediated Signaling Events, Ubiquitin Proteasome Pathway
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu$ g/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 1-27 peptide, hFc Tag ELISA 0.1µg Human CD3E 1-27 peptide, hFc Tag Per Well



## Human CD3E 1-27 peptide, hFc Tag ELISA 0.1µg Human CD3E 1-27 peptide, hFc Tag Per Well





#### **ELISA**

**Image 1.** Immobilized Human CD3E 1-27 peptide, hFc Tag at 1  $\mu$ g/mL (100  $\mu$ L/Well) on the plate. Dose response curve for Biotinylated Anti-CD3 Antibody, mFc Tag with the EC50 of 5.2 ng/mL determined by ELISA.

#### **ELISA**

**Image 2.** Immobilized Human CD3E 1-27 peptide, hFc Tag at 1  $\mu$ g/mL (100  $\mu$ L/Well) on the plate. Dose response curve for Biotinylated Anti-CD3 Ab., mFc Tag with the EC50 of 5.2 ng/mL determined by ELISA.

## Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 3.** The purity of Human CD3E 1-27 peptide is greater than 95 % as determined by SEC-HPLC.

Please check the product details page for more images. Overall 4 images are available for ABIN7274153.