

Datasheet for ABIN7274132  
**CD3E & CD3G (AA 22-117) protein (Fc Tag)**



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5 Images

## Overview

Quantity:	100 µg
Target:	CD3E & CD3G
Protein Characteristics:	AA 22-117
Origin:	Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	Fc Tag

## Product Details

Purpose:	Cynomolgus CD3E & CD3G/CD3 epsilon & CD3 gamma Protein
Sequence:	Gln22-Asp117 (CD3E) & Gln23-Thr113 (CD3G)
Specificity:	Uni-Prot: Q95LI5.2 (CD3E), Q95LI7 (CD3G)
Characteristics:	Recombinant Cynomolgus CD3E & CD3G/CD3 epsilon & CD3 gamma Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Gln22-Asp117(CD3E) & Gln23-Thr113(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 Cynomolgus CD3E&CD3G, hFc Tag at 0.5µg/ml (100µl/Well). Dose response curve for Biotinylated Anti-CD3 Antibody, mFc Tag with EC50 of 51.2ng/ml determined by ELISA. See

## Product Details

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testing image for detail.

## Target Details

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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:	36.9 kDa (CD3E) and 36.5 kDa (CD3G). Due to glycosylation, the protein migrates to 44-46 kDa&46-48 kDa based on Tris-Bis PAGE result.
UniProt:	<a href="#">Q95LI5</a>

## Application Details

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Restrictions: For Research Use only

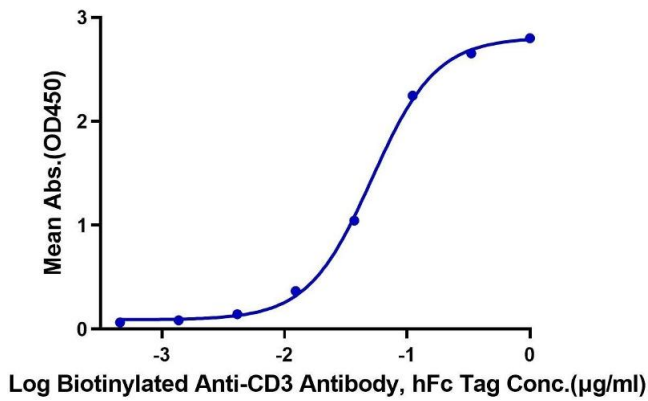
## Handling

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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

**Cynomolgus CD3E&CD3G, hFc Tag ELISA**

0.05µg Cynomolgus CD3E&CD3G, hFc Tag Per Well

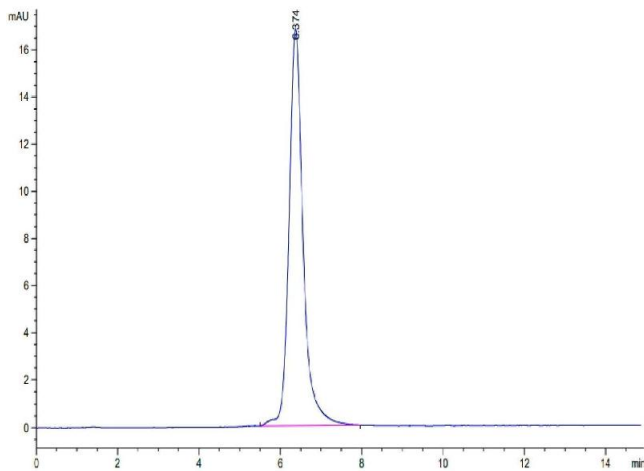


**ELISA**

**Image 1.** Immobilized Cynomolgus CD3E&CD3G, hFc Tag at 0.5 µg/mL (100 µL/Well). Dose response curve for Biotinylated Anti-CD3 Antibody, mFc Tag with EC50 of 51.2 ng/mL determined by ELISA.

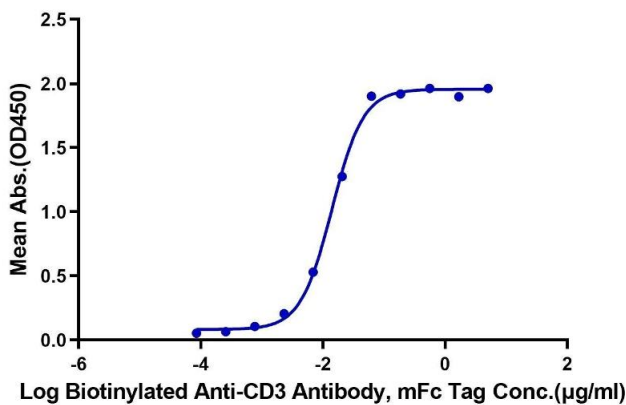
**Size-exclusion chromatography-High Pressure Liquid Chromatography**

**Image 2.** The purity of Cynomolgus CD3E&CD3G was greater than 95 % as determined by SEC-HPLC.



**Cynomolgus CD3E&CD3G, hFc Tag ELISA**

0.05µg Cynomolgus CD3E&CD3G, hFc Tag Per Well



**ELISA**

**Image 3.** Immobilized Cynomolgus CD3E&CD3G, hFc Tag at 0.5 µg/mL (100 µL/Well). Dose response curve for Biotinylated Anti-CD3 Antibody, mFc Tag with EC50 of 14.0 ng/mL determined by ELISA.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN7274132.