

Datasheet for ABIN7274133

CD3E & CD3G (AA 22-117) protein (Fc Tag,Biotin)[Go to Product page](#)**3** 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,Biotin

Product Details

Purpose:	Biotinylated Cynomolgus CD3E & CD3G/CD3 epsilon & CD3 gamma Protein (Primary Amine Labeling)
Sequence:	Gln22-Asp117 (CD3E) & Gln23-Thr113 (CD3G)
Specificity:	Uni-Prot: Q95LI5.2 (CD3E), Q95LI7 (CD3G)
Characteristics:	Recombinant Biotinylated Cynomolgus CD3E & CD3G/CD3 epsilon & CD3 gamma Protein (Primary Amine Labeling) 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 Anti-CD3 Antibody, hFc Tag at 1µg/ml (100µl/well) on the plate. Dose response

Product Details

curve for Biotinylated Cynomolgus CD3E&CD3G, hFc Tag with the EC50 of 83.8ng/ml determined by ELISA. 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:	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:	Q95LI5

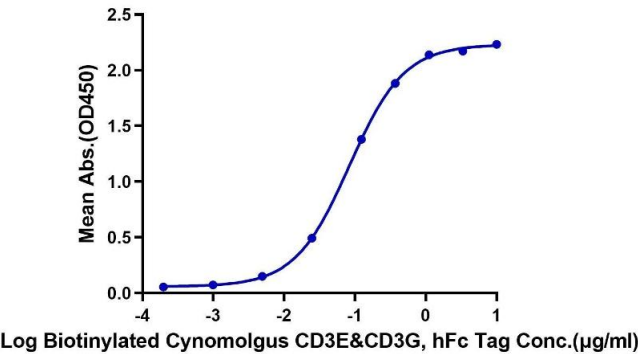
Application Details

Restrictions:	For Research Use only
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Handling

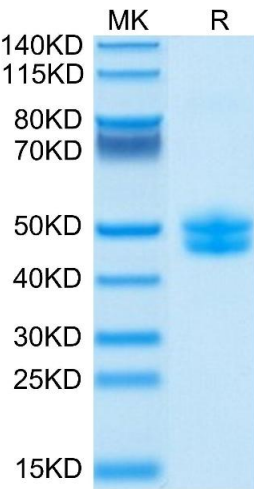
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant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

Biotinylated Cynomolgus CD3E&CD3GD, hFc Tag ELISA
0.1µg Anti-CD3 Antibody, hFc Tag Per Well



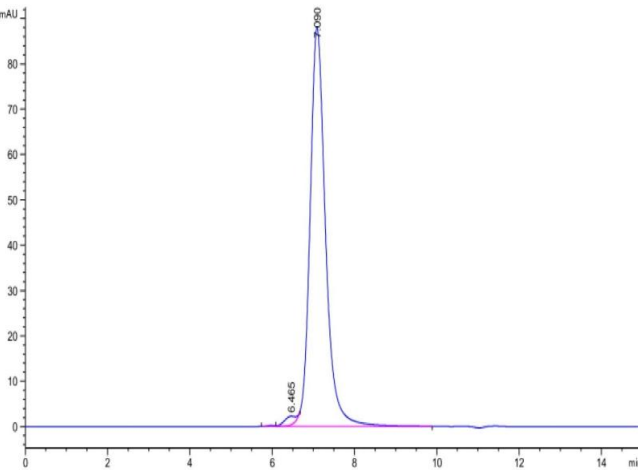
ELISA

Image 1. Immobilized Anti-CD3 Antibody, hFc Tag at 1 µg/mL (100 µL/well) on the plate. Dose response curve for Biotinylated Cynomolgus CD3E&CD3G, hFc Tag with the EC50 of 83.8 ng/mL determined by ELISA.



SDS-PAGE

Image 2. Biotinylated Cynomolgus CD3E&CD3G on Tris-Bis PAGE under reduced conditions. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 3. The purity of Biotinylated Cynomolgus CD3E&CD3G was greater than 95 % as determined by SEC-HPLC.