

Biotinylated Cynomolgus CD3E/CD3 epsilon Protein (Primary Amine Labeling)



Cat. No. CDE-CM101B

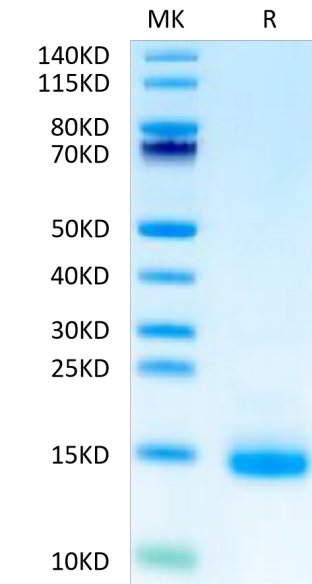
Description	
Source	Recombinant Biotinylated Cynomolgus CD3E/CD3 epsilon Protein (Primary Amine Labeling) is expressed from HEK293 with His tag at the C-Terminus. It contains Gln22-Asp117.
Accession	Q95LI5
Molecular Weight	The protein has a predicted MW of 11.7 kDa. Due to glycosylation, the protein migrates to 13-16 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage	
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-80°C for 3 months after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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 CD3γ chain, a CD3δ chain, and two CD3ε chains.	

Assay Data

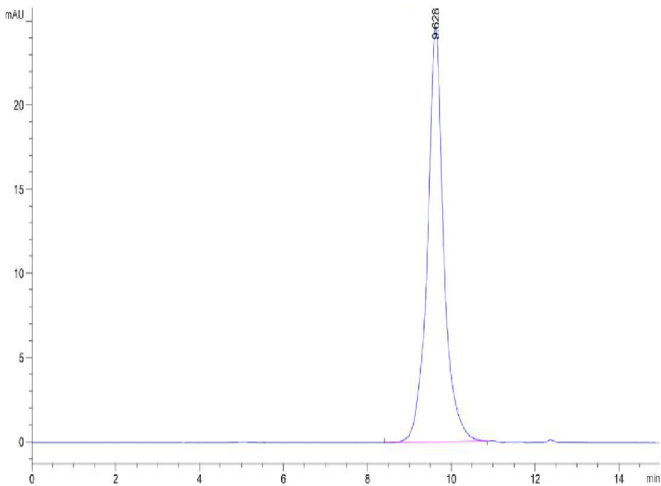
Bis-Tris PAGE



Biotinylated Cynomolgus CD3E on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

Assay Data

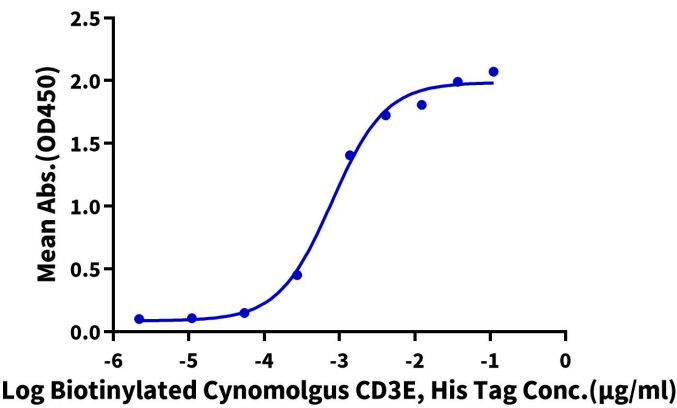


The purity of Biotinylated Cynomolgus CD3E is greater than 95% as determined by SEC-HPLC.

ELISA Data

Biotinylated Cynomolgus CD3E, His Tag ELISA

0.05µg Anti-CD3 Antibody, hFc Tag Per Well



Immobilized Anti-CD3 Antibody, hFc Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Cynomolgus CD3E, His Tag with the EC50 of 0.87ng/ml determined by ELISA.