

Cynomolgus CD3E&CD3G/CD3 epsilon&CD3 gamma Protein

Cat. No. CD3-CM102

Description	
Source	Recombinant Cynomolgus CD3E&CD3G/CD3 epsilon&CD3 gamma Protein is expressed from HEK293 with His tag and Flag tag at the C-Terminus. It contains Gln22-Asp117(CD3E) & Gln23-Thr113(CD3G).
Accession	Q95LI5.2(CD3E)&Q95LI7(CD3G)
Molecular Weight	The protein has a predicted MW of 11.93 kDa (CD3E) and 11.52 kDa (CD3G). Due to glycosylation, the protein migrates to 13-23 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Formulation and Storage

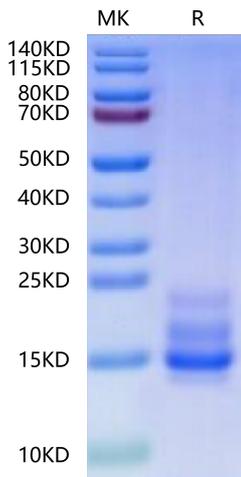
Formulation	Supplied as 0.22µm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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.

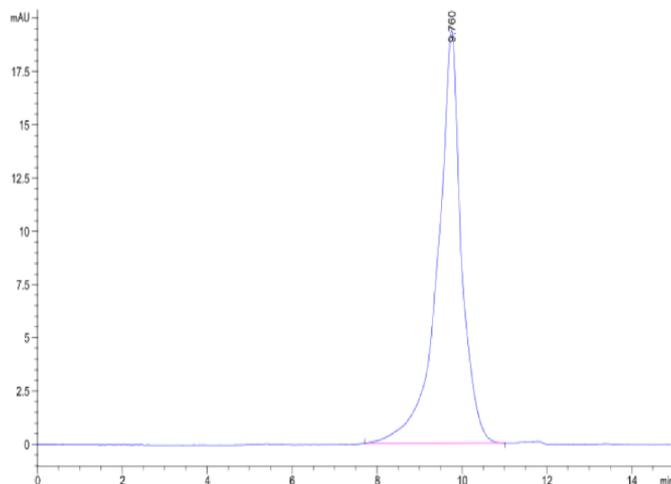
Assay Data

Tris-Bis PAGE



Cynomolgus CD3E&CD3G on Tris-Bis PAGE under reduced condition. The purity is greater than 90%.

SEC-HPLC



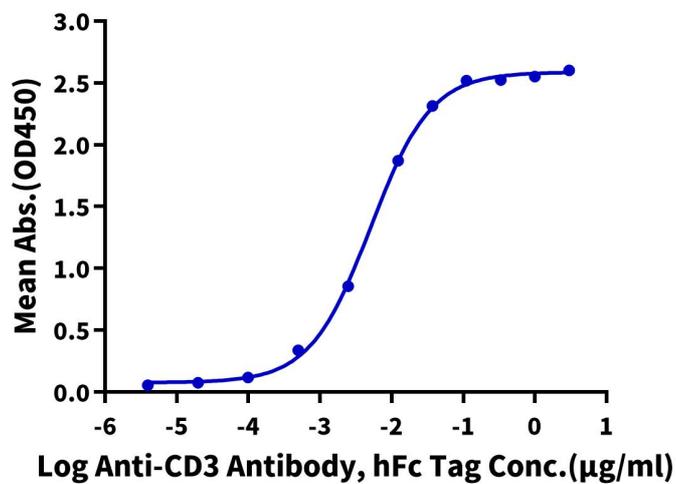
The purity of Cynomolgus CD3E&CD3G is greater than 90% as determined by SEC-HPLC.

ELISA Data

For Research Use Only

Cynomolgus CD3E&CD3G, His Tag ELISA

0.05µg Cynomolgus CD3E&CD3G, His Tag Per Well



Immobilized Cynomolgus CD3E&CD3G, His Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Anti-CD3 Antibody, hFc Tag with the EC50 of 5.1ng/ml determined by ELISA.