

Recombinant Cynomolgus CD3E&CD3G Protein

Catalog No.: RP02060 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Cynomolgus	102133065 & 102134381	Q95LI5.2 & Q95LI7

Tags
C-hFc

Synonyms
CD3E&CD3G;CD3 epsilon&CD3 gamma

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by SDS-PAGE; ≥95 % as determined by HPLC.

Calculated MW	Observed MW
36.9 kDa (CD3E), 36.5 kDa (CD3G).	44-46 kDa (CD3E), 46-48 kDa (CD3G)

Endotoxin
< 0.1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

Reconstitution
Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

☎ | 400-999-6126

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.

Basic Information

Description
Recombinant Human BCMA/TNFRSF17 Protein is produced by mammalian expression system. The target protein is expressed with sequence (Asp20-Arg687 (Q95LI52) & Gln23-Thr113 (Q95LI7)) of cynomolgus CD3E&CD3G (Accession #Q95LI5.2 & Q95LI7) fused with an Fc tag at the C-terminus.

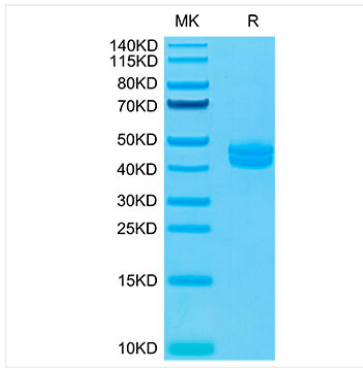
Bio-Activity

Shipping
The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

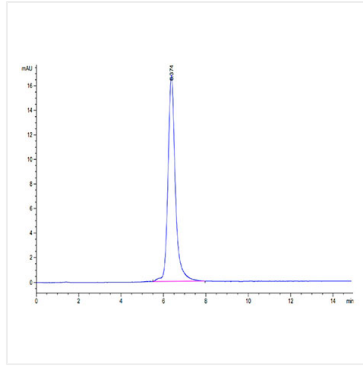
Storage
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

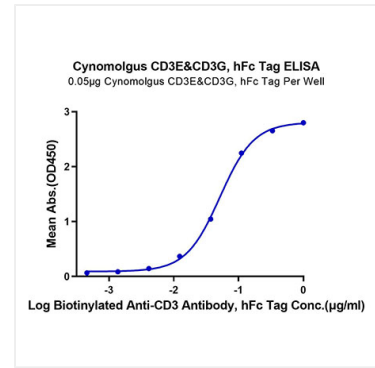
Validation Data



Recombinant Cynomolgus CD3E&CD3G Protein was determined by Tris-Bis PAGE under reducing conditions.



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



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.