

Recombinant Cynomolgus CD3E&CD3D Protein

Catalog No.: RP02061

Sequence Information

Species	Gene ID
Cynomolgus	102133065&102133701
Swiss Prot	Tags
Q95LI5.2 & Q95LI8	C-hFc

Synonyms

CD3E&CD3D;CD3 epsilon&CD3 delta

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), 58-62 kDa
35.4 kDa (CD3D) (CD3E), 44-46 kDa (CD3D)

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.

Background

T-cell surface glycoprotein CD3 epsilon & CD3 delta chain, also known as CD3E & CD3D, 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 Cynomolgus CD3E&CD3G Protein is produced by mammalian expression system. The target protein is expressed with sequence (Asp20-Arg687 (Q95LI52) & Phe22-Ala105 (Q95LI8)) of cynomolgus CD3E&CD3D (Accession #Q95LI5.2 & Q95LI8) fused with an Fc tag at the C-terminus.

Activity

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

Operational Notes

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

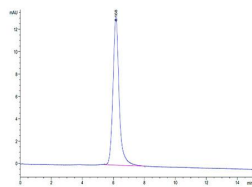
Contact

☎ | 400-999-6126

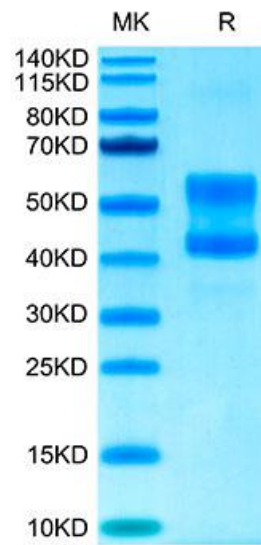
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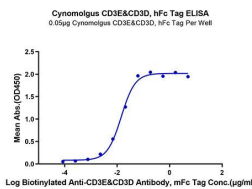
Validation Data



The purity of Cynomolgus CD3E&CD3D was greater than 95% as determined by SEC-HPLC.



Recombinant Cynomolgus CD3E&CD3D Protein was determined by Tris-Bis PAGE under reducing conditions.



Immobilized Cynomolgus CD3E&CD3D, hFc Tag at 0.5µg/ml (100µl/Well). Dose response curve for Biotinylated Anti-CD3E&CD3D Antibody, mFc Tag with EC₅₀ of 13.9ng/ml determined by ELISA.