

Biotinylated Recombinant Cynomolgus CD3E&CD3D Protein (Primary Amine Labeling)

Catalog No.: RP02748B

Sequence Information

Species **Gene ID**
Cynomolgus

Swiss Prot **Tags**
Q95LI5.2(CD3E) C-hFc
&Q95LI8(CD3D)

Synonyms

CD3; CD3e; CD3E; CD3d; T3D;
CD3D; CD3E&CD3D; CD3
delta&CD3 epsilon

Product Information

Source **Purification**
HEK293 cells ≥ 95 % as
determined by
Tris-Bis 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

< 1 EU/μg of the protein by LAL
method.

Formulation

Lyophilized from a 0.22 μm filtered
solution of PBS, pH 7.4.

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

Biotinylated Recombinant Cynomolgus CD3E&CD3D Protein (Primary Amine Labeling) is produced by Expi293 expression system. The target protein is expressed with sequence (Gln22-Asp117(CD3E)&Phe22-Ala105(CD3D)) of Cynomolgus CD3E&CD3D fused with a hFc tag at the C-terminal.

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.

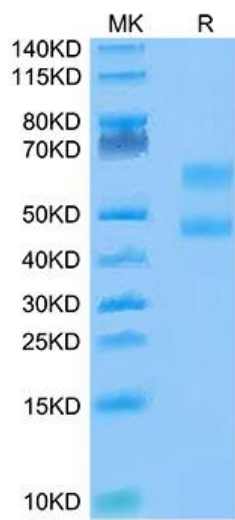
Contact

☎ | 400-999-6126

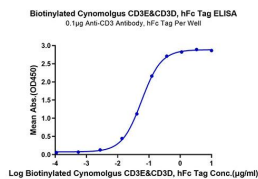
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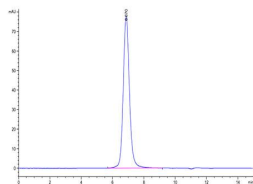
Validation Data



Biotinylated Recombinant Cynomolgus CD3E&CD3D Protein (Primary Amine Labeling) was determined by Tris-Bis PAGE under reducing conditions.



Immobilized Anti-CD3, hFc Tag Antibody at 5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Cynomolgus CD3E&CD3D, hFc Tag with the EC₅₀ of 58.2ng/ml determined by ELISA.



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