

Recombinant Cynomolgus CD3 epsilon/CD3E Protein

Catalog No.: RP02214

Sequence Information

Species	Gene ID
Cynomolgus	102133065
Swiss Prot	Tags
Q95LI5-1	C-His

Synonyms

CD3e, CD3E, T3E, FLJ18683, TCRE, CD3-epsilon, IMD18

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by Tris-Bis PAGE. ≥ 95 % as determined by HPLC.

Calculated MW Observed MW

11.7 kDa 14-16 kDa

Endotoxin

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

Formulation

Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 5 % trehalose is added as protectant before lyophilization.

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

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.

Basic Information

Description

Recombinant Cynomolgus CD3 epsilon/CD3E Protein is produced by mammalian expression system. The target protein is expressed with sequence (Gln22-Asp117) of cynomolgus Cynomolgus CD3 Epsilon (Accession #) fused with a His tag at the C-terminus.

Activity

Immobilized Cyno CD3 epsilon at 1 μg/mL (100 μL/Well). Dose response curve for Anti-CD3 Ab. with the EC₅₀ of 0.2 μg/mL determined by ELISA.

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

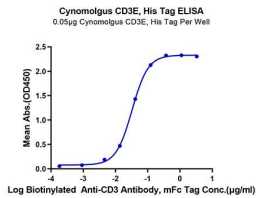
Operational Notes

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

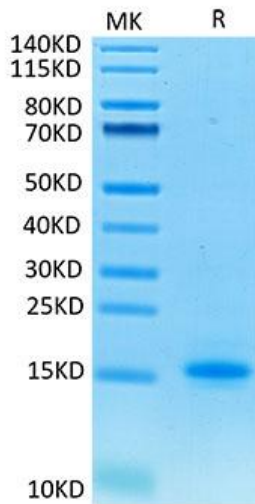
Contact

		400-999-6126
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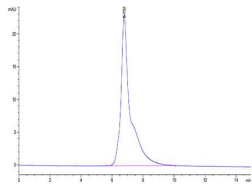
Validation Data



Immobilized Cynomolgus CD3E, His Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Anti-CD3 Antibody, mFc Tag with the EC₅₀ of 32.7ng/ml determined by ELISA.



Recombinant Cynomolgus CD3 epsilon/CD3E Protein was determined by Tris-Bis PAGE under reducing conditions.



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