

General Information

Protein Construction

A DNA sequence encoding the Cynomolgus (*Macaca fascicularis*) CD3E extracellular domain (Met 1-Asp 117) was fused with the C-terminal his-tagged Fc region of human IgG1 at the C-terminus, constructed the plasmid 1; A DNA sequence encoding the Cynomolgus (*Macaca fascicularis*) CD3D extracellular domain (Met 1-Ala 105) with the C-terminal flag-tagged Fc region of human IgG1 at the C-terminus, constructed the plasmid 2. The two plasmids were co-expressed and the CD3E&CD3D heterodimer was purified.

Organism

Cynomolgus

Expression Host

Human Cells

QC Testing

Purity

(50.3+48.5) % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per μg of the protein as determined by the LAL method

Stability

Samples are stable for up to twelve months from date of receipt at -70°C

Predicted N terminal

Gln 22 & Phe 22

Molecular Mass

The recombinant heterodimer of cynomolgus CD3E&CD3D comprises 679 (346+333) amino acids and has a calculated molecular mass of 76.7 (39.1+ 37.6) KDa. The apparent molecular mass of cyno CD3E&CD3D heterodimer is approximately 52 & 43 KDa respectively in SDS-PAGE.

Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

Usage Guide

Storage

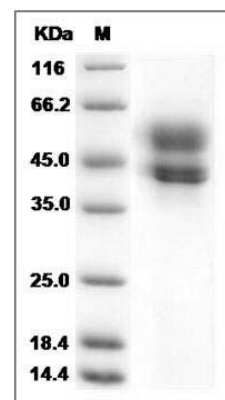
Store it under sterile conditions at -20°C to -80°C .

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



Cynomolgus CD3D & CD3E Heterodimer Protein
SDS-PAGE