Rhesus CD3D & CD3E Heterodimer Protein

Catalog Number: CT032-C0323H

General Information

Gene Name Synonym:

CD3D & CD3E

Protein Construction:

A DNA sequence encoding the rhesus CD3D extracellular domain (F6WI60)(Met1-Ala105) with the C-terminal flag-tagged Fc region of human IgG1 at the C-terminus, constructed the plasmid 1; A DNA sequence encoding the rhesus CD3E extracellular domain(XP_014971302.1) (Met1-Asp117) was fused with the C-terminal his-tagged Fc region of human IgG1 at the C-terminus, constructed the plasmid 2. The two plasmids were co-expressed and the CD3D&CD3E heterodimer was purified.

Source: Rhesus

Expression Host: HEK293 Cells

QC Testing

Purity: > 95 % as determined by SDS-PAGE

Endotoxin:

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

Predicted N terminal: Gln 22 & Phe 22

Molecular Mass:

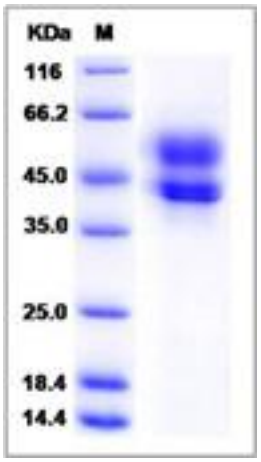
The recombinant heterodimer of rhesus CD3D&CD3E comprises 679 (346+333) amino acids and has a calculated molecular mass of 76.7 (39.1+37.6) KDa. The apparent molecular mass of rhesus CD3D&CD3E heterodimer is approximately 52 & 43 KDa respectively in SDS-PAGE.

Formulation:

Lyophilized from sterile PBS, pH 7.4

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

SDS-PAGE:



Usage Guide

Stability & Storage:
Samples are stable for twelve months from date of receipt at -20℃ to -80℃.

Store it under sterile conditions at -20℃ to -80℃ upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.