

Human CD3D & CD3E Heterodimer Protein

Catalog Number: CT026-H0323H



Sino Biological
Biological Solution Specialist

General Information

Gene Name Synonym:

CD3-DELTA; IMD19; T3D

Protein Construction:

A DNA sequence encoding the extracellular domain (Met 1-Ala 105) of human CD3D (P04234) 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 extracellular domain (Met 1-Asp 126) of human CD3E (P07766) was fused 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 human CD3D/CD3E heterodimer was purified.

Source: Human

Expression Host: HEK293 Cells

QC Testing

Purity: > 90 % as determined by SDS-PAGE

Bio Activity:

Measured by its binding ability in a functional ELISA. Immobilized human CD3D & CD3E Heterodimer Protein (Cat:CT026-H0323H) at 10 µg/ml (100 µl/well) can bind OKT3-mIgG2a with a linear ranger of 0.3-5 µg/ml.

Endotoxin:

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

Predicted N terminal: Phe 22 & Asp 23

Molecular Mass:

The recombinant heterodimer of human CD3D/CD3E consists of 687 (334+353) amino acids and predicts a molecular mass of 77.5 (37.7+39.8) kDa.

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.

Usage Guide

Stability & Storage:

Samples are stable for twelve months from date of receipt at -20°C to -80°C.

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

SDS-PAGE:

