

Mouse CD3D & CD3E Heterodimer Protein



Sino Biological
Biological Solution Specialist

Catalog Number: CT025-M2303H

General Information

Gene Name Synonym:

T3d

Protein Construction:

A DNA sequence encoding the extracellular domain (Met 1-Ala 105) of mouse CD3D (P04235) was fused with the C-terminal flag-tagged Fc region of human IgG1 at the C-terminus, constructed the plasmid 1; A DNA sequence encoding the extracellular domain (Met 1-Asp 108) of mouse CD3E (P22646) 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 mouse CD3D/CD3E heterodimer was purified.

Source: Mouse

Expression Host: HEK293 Cells

QC Testing

Purity: > 90 % 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: Phe 22 & Asp 22

Molecular Mass:

The recombinant heterodimer of mouse CD3D/CD3E comprises 670 (333+337) amino acids and has a calculated molecular mass of 76 (38+38) kDa. As a result of glycosylation, the apparent molecular mass of mouse CD3D/CD3E heterodimer is approximately 45-50 kDa in SDS-PAGE under reducing conditions.

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

Storage:

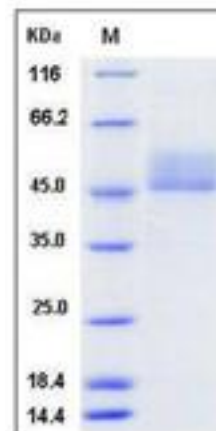
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



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