Mouse CD3D & CD3E recombinant protein

Catalog Number: 500774

General Information

Gene Name Synonym

T-cell receptor T3 delta chain

Protein Construction

A DNA sequence encoding the extracellular domain (Met 1-Ala 105) of mouse CD3D (P04235) was fused with a flag tag 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 a polyhistidine tag at the C-terminus, constructed the plasmid 2. The two plasmids were co-expressed and the mouse CD3D/CD3E heterodimer was purified.

Organism

Mouse

Expression Host

Human Cells

QC Testing

Purity

(42.3+45.3) % 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℃

Predicted N terminal

Phe 22 & Asp 22

Molecular Mass

The recombinant heterodimer of mouse CD3D/CD3E comprises 254 (126+128) amino acids and has a calculated molecular mass of 29.2 (14.3+14.9) KDa. As a result of glycosylation, the apparent molecular mass of mouse CD3D/CD3E heterodimer is approximately 20 and 22 KDa in SDS-PAGE under reducing conditions.

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

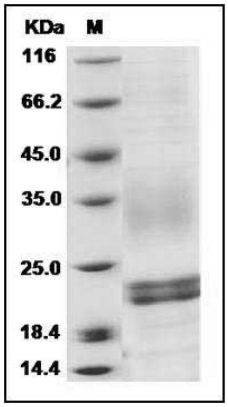
Storage

Store it under sterile conditions at -20℃ to -80℃. 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



Mouse CD3D & CD3E Heterodimer Protein SDS-PAGE