

CD3D & CD3E Heterodimer Protein, Mouse, Recombinant (Flag & His)

General Information

Synonyms:	CD3d molecule, δ (CD3-TCR complex); CD3d molecule, delta (CD3-TCR complex); T3d
Protein Construction:	Asp22-Asp108 (CD3E) and Phe22-Ala105 (CD3D). Subunit CD3E is fused with a Flag tag at the C-terminus and subunit CD3D is fused with a His tag at the C-terminus.
Species:	Mouse
Expression Host:	HEK293 Cells
Accession:	P04235 & P22646
Molecular Weight:	15.34 kDa (CD3E) and 14.81 kDa (CD3D) (Predicted); 18-22 kDa and 35-45 kDa (Due to glycosylation)

QC Testing

Biological Activity:	Immobilized Recombinant Mouse CD3D & CD3E Heterodimer Protein (Cat#TMPY-03546) at 2 $\mu\text{g}/\text{mL}$ (100 $\mu\text{L}/\text{well}$) can bind CD3D & CD3E Heterodimer Antibody, Rabbit MAb, the EC_{50} is 10-30 ng/mL .
Purity:	> 95% as determined by Bis-Tris PAGE; > 95% as determined by HPLC
Endotoxin:	< 1.0 EU/ μg of the protein as determined by the LAL method.
Formulation:	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 $\mu\text{g}/\text{mL}$. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C . For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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