

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

General Information

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| Synonyms: | CD3d molecule, δ (CD3-TCR complex);T3d;CD3d molecule, delta (CD3-TCR complex) |
| 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. Predicted N terminal: Phe 22 & Asp 22 |
| Species: | Mouse |
| Expression Host: | HEK293 Cells |
| Accession: | P04235&P22646 |
| Molecular Weight: | 76 kDa (predicted); 45-50 kDa (reducing condition, due to glycosylation) |

QC Testing

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| Biological Activity: | Activity testing is in progress. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first. |
| Purity: | > 90 % as determined by SDS-PAGE |
| Endotoxin: | < 1.0 EU/ μ g of the protein as determined by the LAL method. |
| Formulation: | Lyophilized from a solution filtered through a 0.22 μ m filter, containing PBS, pH 7.4. Typically, a mixture containing 5% to 8% trehalose, mannitol, and 0.01% Tween 80 is incorporated as a protective agent before lyophilization. |

Preparation and Storage

Reconstitution:
A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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