

CD3E & CD3G Heterodimer Protein, Mouse, Recombinant (hFc)

General Information

Synonyms:	CD3e molecule, epsilon (CD3-TCR complex);CD3ε;AI504783;CD3epsilon;CD3e molecule, ε (CD3-TCR complex);T3e;CD3
Protein Construction:	A DNA sequence encoding the extracellular domain (Met1-Asp108) of mouse CD3E (NP_031674.1) was fused with the Fc region of human IgG1 at the C-terminus, constructed the plasmid 1; A DNA sequence encoding the extracellular domain (Met1-Ser116) of mouse CD3G (NP_033980.1) was fused with the Fc region of human IgG1 at the C-terminus, constructed the plasmid 2. The two plasmids were co-expressed and the mouse CD3E/CD3G heterodimer was purified. Predicted N terminal: Asp23 & Gln23
Species:	Mouse
Expression Host:	HEK293 Cells
Accession:	NP_031674.1&NP_033980.1
Molecular Weight:	74.5 kDa (predicted)

QC Testing

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/μg of the protein as determined by the LAL method.
Formulation:	Lyophilized from a solution filtered through a 0.22 μm filter, containing 20 mM Tris, 150 mM NaCl, 10% Glycerol, 0.02% Tween 20, pH8.5. 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. <i>Actual storage temperature shall be subject to the COA.</i>
Shipping:	In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

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