

Active Recombinant Mouse CD3E & CD3D protein, hFc-tagged, Low Endotoxin

Cat. No. CD3E & CD3D-401M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Mouse CD3E & CD3D protein(P22646(CD3E) & P04235(CD3D))(Asp23-Asp108(CD3E) and Phe22-Ala105(CD3D)) is expressed from HEK293 with hFc (IgG1) tag at the C-Terminus.
Species	Mouse
Source	HEK293
ProteinLength	23-108 aa(CD3E) & 22-105 aa(CD3D)
Form	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4).
Bio-activity	Immobilized Mouse CD3E&CD3D, hFc Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Anti-CD3E Antibody (145-2C11), mFc Tag with the EC50 of 23.4ng/ml determined by ELISA.
Molecular Mass	The protein has a predicted MW of 36.1 kDa (CD3E) and 35.2 kDa (CD3D). Due to glycosylation,the protein migrates to 50-65 kDa and 40-50 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

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Storage -20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Reconstitution Dissolve the lyophilized protein in distilled water.

GENE INFORMATION

Gene Name Cd3e CD3 antigen, epsilon polypeptide [*Mus musculus*]

Official Symbol CD3E

Synonyms CD3E; CD3 antigen, epsilon polypeptide; T-cell surface glycoprotein CD3 epsilon chain; T-cell surface antigen T3/Leu-4 epsilon chain; CD3; T3e; AI504783; CD3epsilon;

Gene ID 12501

mRNA Refseq NM_007648

Protein Refseq NP_031674

Gene Name 2 Cd3d CD3 antigen, delta polypeptide [*Mus musculus*]

Official Symbol 2 CD3D

Synonyms 2 CD3D; CD3 antigen, delta polypeptide; T-cell surface glycoprotein CD3 delta chain; T-cell receptor T3 delta chain; T3d;

Gene ID 2 12500

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mRNA Refseq 2	NM_013487
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Protein Refseq 2	NP_038515
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