Active Recombinant Human CD3E & CD3D protein

Cat. No. CD3E & CD3D-260H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD3E & CD3D protein(Asp 23 - Asp 126 (CD3E) & Phe 22 - Ala 105 (CD3D)) was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Asp 23 - Asp 126 (CD3E) & Phe 22 - Ala 105 (CD3D)
Form	Lyophilized from 0.22 μm filtered solution in Tris with Glycine, Arginine and NaCl, pH7.5. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Human CD3E&CD3D Heterodimer Protein, Llama Fc&Llama Fc, low endotoxin at 2 μg/mL (100 μL/well) can bind SP34-2 (mouse IgG1) with a linear range of 1-20 ng/mL.Please note that there may be a cross-reaction between anti-human IgG Fc antibodies and llama IgG Fc tag, also between anti-llama IgG Fc antibodies and human IgG Fc tag.
Molecular Mass	Human CD3E & CD3D Heterodimer Protein, Llama IgG2b Fc Tag & Llama IgG2b Fc Tag, low endotoxin is produced by co-expression of CD3E and CD3D, has a calculated MW of 42.9 kDa (CD3E) and 40.8 kDa (CD3D). Subunit CD3E is fused with a llama IgG2b Fc tag at the C-terminus and subunit CD3D is fused with a llama IgG2b Fc tag at the C-terminus. The predicted N-terminus is Asp 23 (CD3E) & Phe 22 (CD3D). The reducing (R) protein migrates as 50-60 kDa due to glycosylation.

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Endotoxin	Less than 0.01 EU per μg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Storage	For long term storage, the product should be stored at lyophilized state at -20°C or lower.Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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