Active Recombinant Human CD3E & CD3D protein, His-tagged

Cat. No. CD3E & CD3D-2959H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD3E&CD3D protein(Asp 23-Asp 126 (CD3E) & Phe 22-Ala 105 (CD3D)), fused with His tag, 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 PBS, pH7.4 with trehalose as protectant.
Bio-activity	Immobilized Monoclonal Anti-Human CD3 Antibody, Mouse IgG2a (Clone: OKT3), premium grade at 1 μg/mL (100 μL/well) can bind HRP-Human CD3E & CD3D Heterodimer Protein, His Tag&Tag Free with a linear range of 0.1-8 ng/mL.Immobilized UCHT1 at 1 μg/mL (100 μL/well) can bind HRP-Human CD3E & CD3D Heterodimer Protein, His Tag&Tag Free with a linear range of 0.1-2 ng/mL.Immobilized Mouse Anti-Human CD3 (SP34-2) at 1 μg/mL (100 μL/well) can bind HRP-Human CD3E & CD3D Heterodimer Protein, His Tag&Tag Free with a linear range of 0.1-4 ng/mL.Immobilized Monoclonal Anti-Human CD3 Antibody, Mouse IgG2a (Clone: OKT3), premium grade at 1 μg/mL (100 μL/well) can bind HRP-Human CD3E & CD3D Heterodimer Protein, His Tag&Tag Free with a linear range of 0.1-6 ng/mL.Immobilized Monoclonal Anti-Human CD3 Antibody, Mouse IgG2a (Clone: OKT3), premium grade at 1 μg/mL (100 μL/well) can bind HRP-Human CD3E & CD3D Heterodimer Protein, His Tag&Tag Free with a linear range of 0.1-6 ng/mL.

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Molecular Mass	HRP-Human CD3E & CD3D Heterodimer Protein, His Tag&Tag Free is produced by co-expression of CD3E and CD3D, has a calculated MW of 16.6 kDa (CD3E) and 13.4 kDa (CD3D). Subunit CD3E is fused with a polyhistidine tag at the C-terminus and subunit CD3D contains no tag.
Endotoxin	Less than 1.0 EU per μg by the LAL method.
Purity	>90% 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.

GENE INFORMATION

Gene Name	CD3E CD3e molecule, epsilon (CD3-TCR complex) [Homo sapiens]
Official Symbol	CD3E
Synonyms	CD3E; CD3e molecule, epsilon (CD3-TCR complex); CD3e antigen, epsilon polypeptide (TiT3 complex); T-cell surface glycoprotein CD3 epsilon chain; CD3-epsilon; T-cell surface antigen T3/Leu-4 epsilon chain; T-cell antigen receptor complex, epsilon subunit of T3; T3E; TCRE; FLJ18683;
Gene ID	916
mRNA Refseq	NM_000733

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Protein Refseq	NP_000724
UniProt ID	P07766

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