

Active Recombinant Human CD3E & CD3D protein, His-tagged, HRP Labeled

Cat. No. CD3E & CD3D-1866H **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.
Molecular Mass	It 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.

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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
Protein Refseq	NP_000724
UniProt ID	P07766

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