Recombinant Cynomolgus CD3E&CD3D, His & flag-tagged

Cat. No. CD3E&CD3D-187C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Cynomolgus CD3E & CD3D heterodimer protein (Cynomolgus CD3E & CD3D heterodimer) Gln 22 - Asp 117 (CD3E,Q95LI5) & Phe 22 - Ala 105 (CD3D,Q95LI8) was produced in human 293 cells (HEK293).
Species	Cynomolgus
Source	HEK293
ProteinLength	22-117;22-105 a.a.
Description	T-cell surface glycoprotein CD3 delta & CD3 epsilon chain, also known as CD3D & CD3E or CD3D&CD3E respectively, are single-pass type I membrane proteins. CD3D, together with CD3- epsilon(CD3E) , CD3-gamma and CD3-zeta, and the T-cell receptor alpha/beta and gamma/delta heterodimers, forms the T cell receptor-CD3 complex. T cell receptor-CD3 complex plays an important role in coupling antigen recognition to several intracellular signal-transduction pathways.
Predicted N Terminal	Gln 22 (CD3E) and Phe 22 (CD3D)
Form	Lyophilized from 0.22 μm filtered solution in PBS, pH7.4. Normally Mannitol or Trehalose are added as protectants before lyophilization.
Molecular Mass	The heterodimer Cynomolgus CD3E & CD3D heterodimer is produced by co-expression of CD3E and CD3D, has a calculated MW of 15.5 kDa (CD3E) and 14.5 kDa (CD3D). Subunit CD3E is fused with his tag at the C-terminus and subunit CD3D

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	is fused with flag tag at t
Endotoxin	Less than 1.0 EU per μg of the Cynomolgus CD3E & CD3D heterodimer by the LAL method.
Purity	>92% as determined by SDS-PAGE.
Applications	CD Antigens
Storage	Avoid repeated freeze-thaw cycles.No activity loss was observed after storage at:In lyophilized state for 1 year (4oC); After reconstitution under sterile conditions for 3 months (-70oC).

GENE INFORMATION

Gene Name	CD3E?CD3e molecule, epsilon (CD3-TCR complex) [?Macaca fascicularis?(crab-eating macaque)]
Official Symbol	CD3E
Synonyms	CD3E; CD3e molecule, epsilon (CD3-TCR complex); T-cell surface glycoprotein CD3 epsilon chain; CD3 epsilon FN18+; CD3 epsilon FN18-
Gene ID	102133065
mRNA Refseq	NM_001283615
Protein Refseq	NP_001270544
UniProt ID	Q95LI5

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Chromosome Location	14
Pathway	Chagas disease (American trypanosomiasis); Hematopoietic cell lineage; Primary immunodeficiency

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