Recombinant Cynomolgus CD3E&CD3D, His-Fc&Flag-Fc tagged

Cat. No. CD3E&CD3D-220C **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 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.
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 Fc Chimera is produced by co-expression of CD3E and CD3D, has a calculated MW of 38.3 kDa (CD3E) and 37.5 kDa (CD3D). Subunit CD3E is fused with his-tagged human IgG1 Fc fragment at the C-terminus and sub

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Endotoxin	Less than 1.0 EU per μg of the Cynomolgus CD3E & CD3D heterodimer Fc Chimera by the LAL method.
Purity	>95% as determined by SDS-PAGE.
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).
Reconstitution	See Certificate of Analysis for reconstitution instructions and specific concentrations.

GENE INFORMATION

Gene Name	CD3E CD3e molecule, epsilon (CD3-TCR complex) [Macaca fascicularis (crab-eating macaque)]
Official Symbol	CD3E
Synonyms	FLJ18683, T3E, TCRE, CD3E, CD3-epsilon, CD3 epsilon, T-cell surface glycoprotein CD3 epsilon chain, CD3 epsilon FN18+, CD3 epsilon FN18-
Gene ID	102133065
mRNA Refseq	NM_001283615.1
Protein Refseq	NP_001270544.1
UniProt ID	Mfa.6117
Pathway	Chagas disease (American trypanosomiasis), organism-specific biosystem; HTLV-I infection, organism-specific biosystem; Hematopoietic cell lineage, organism-specific

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	biosystem; Measles, organism-specific biosystem; Primary immunodeficiency, organism-specific biosystem; T cell receptor signaling pathway, organism-specific biosystem

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA