

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

Cat. No. CD3E & CD3D-2968C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Cynomolgus CD3E&CD3D protein(Gln 22-Asp 117 (CD3E) & Phe 22-Ala 105 (CD3D)), fused with Fc-His and Fc-Flag tag, was expressed in HEK293.
Species	Cynomolgus
Source	HEK293
ProteinLength	Gln 22-Asp 117 (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 Bispecific CD3×BCMA T cell-engaging Antibody at 1 µg/mL (100 µL/well) can bind Cynomolgus CD3E&CD3D Heterodimer Protein, Fc,His Tag&Fc,Flag Tag with a linear range of 1-20 ng/mL.
Molecular Mass	Cynomolgus CD3E&CD3D Heterodimer Protein, Fc,His Tag&Fc,Flag Tag is produced by co-expression of CD3E and CD3D, has a calculated MW of 42.5 kDa (CD3E) and 40.9 kDa (CD3D). Subunit CD3E is fused with a human IgG1 Fc tag and a polyhistidine tag at the C-terminus and subunit CD3D is fused with a human IgG1 Fc tag and a flag tag at the C-terminus. The predicted N-terminus is Gln 22 (CD3E) & Phe 22 (CD3D). The reducing (R) protein migrates as 46-50 kDa and 55-65 kDa due to glycosylation.
Endotoxin	Less than 1.0 EU per

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	µg by the LAL method.
Purity	>90% as determined by SDS-PAGE. >90% as determined by SEC-MALS.
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 µg/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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