

Active Recombinant Cynomolgus CD3E & CD3G protein, His-tagged

Cat. No. CD3E & CD3G-3041C **Lot. No.** (See product label)

SPECIFICATION	
Product Overview	Recombinant Cynomolgus CD3E&CD3G protein(Gln 22-Asp 117 (CD3E) & Gln 23-Thr 113 (CD3G)), fused with His tag, was expressed in HEK293.
Species	Cynomolgus
Source	HEK293
ProteinLength	Gln 22-Asp 117 (CD3E) & Gln 23-Thr 113 (CD3G)
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Cynomolgus CD3E&CD3G Heterodimer Protein, His Tag&Tag Free at 2 µg/mL, add increasing concentrations of Bispecific T cell Engager (CD3 X BCMA) and then add Biotinylated Human BCMA, Fc,Avitag™, at 0.2 µg/mL. Detection was performed using HRP-conjugated streptavidin with sensitivity of 0.5 ng/mL.
Molecular Mass	Cynomolgus CD3E&CD3G Heterodimer Protein, His Tag&Tag Free is produced by co-expression of CD3E and CD3G, has a calculated MW of 16.0 kDa (CD3E) and 14.4 kDa (CD3G). Subunit CD3E is fused with a polyhistidine tag at the C-terminus and subunit CD3G contains no tag at the C-terminus. The reducing (R) heterodimer protein migrates as 18-22 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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