

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

Cat. No. CD3E & CD3D-2974C **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 His and 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. Normally trehalose is added as protectant before lyophilization.

Bio-activity

Immobilized Cynomolgus CD3E&CD3D Heterodimer Protein, His Tag & Flag Tag at 2 µg/mL, add increasing concentrations of Bispecific T cell Engager (CD3 X BCMA) and then add Biotinylated BCMA Fc,Avitag at 0.2 µg/mL. Detection was performed using HRP-conjugated streptavidin with sensitivity of 0.2 ng/mL.

Molecular Mass

Cynomolgus CD3E&CD3D Heterodimer Protein, His Tag&Flag Tag (MALS verified) 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 is fused with flag tag at the C-terminus. The predicted N-terminus is Gln 22 (CD3E) and Phe 22 (CD3D). The reducing (R) heterodimer protein migrates as 19-22 kDa and 25-40 kDa due to glycosylation.

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Endotoxin	Less than 1.0 EU per 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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