

Active Recombinant Cynomolgus CD3E & CD3D Protein, His-Avi-tagged, Biotinylated

Cat. No. CD3E & CD3D-516C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Cynomolgus CD3E & CD3D Protein, fused to His and Avi tag, was expressed from 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 Bispecific T cell Engager (CD3 X BCMA) at 1 µg/mL (100 µL/well) can bind Biotinylated Cynomolgus CD3E&CD3D Heterodimer Protein, His,Avitag&Tag Free with a linear range of 0.5-3.9 ng/mL.
Molecular Mass	The protein has a calculated MW of 17.8 kDa (CD3E) and 13.5 kDa (CD3D). Subunit CD3E is fused with a polyhistidine tag and followed by an Avi tag (Avitag™) and subunit CD3D contains no tag at the C-terminus. The reducing (R) heterodimer protein migrates as 21-23 kDa (CD3E) and 19-21 kDa (CD3D) due to glycosylation.
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>90% as determined by SDS-PAGE.

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>90% as determined by SEC-MALS.

Storage

For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

-20 centigrade to -70 centigrade for 12 months in lyophilized state;

-70 centigrade 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 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

Conjugation

Biotin

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