Cynomolgus CD3D and CD3E Heterodimer Protein, His Tag and hFc Tag

Cat. No. PME-C100054

DIMA BIOTECH

PRODUCT INFORMATION

Target	CD3D and CD3E
Synonyms	CD3-DELTA; IMD19; T3D and IMD18; T3E; TCRE
Description	Recombinant Cynomolgus CD3D Protein with C-terminal 10×His tag and Cynomolgus CD3E Protein with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	Q95LI8 and Q95LI5
Expression Host	HEK293
Tag	C-10×His tag and C-Human Fc tag
Molecular Characterization	CD3D(Phe22-Ala105) 10×His tag and CD3E(Gln22-Asp117) hFc(Glu99-Ala330)
Molecular Weight	The protein has a predicted molecular mass of 10.9 and 37.0 kDa after removal of the signal peptide.
Purity	The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	T-cell surface glycoprotein CD3 delta and CD3 epsilon chain, also known as CD3D and CD3E or CD3D and 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.
Usage	Research use only
Conjugate	Unconjugated

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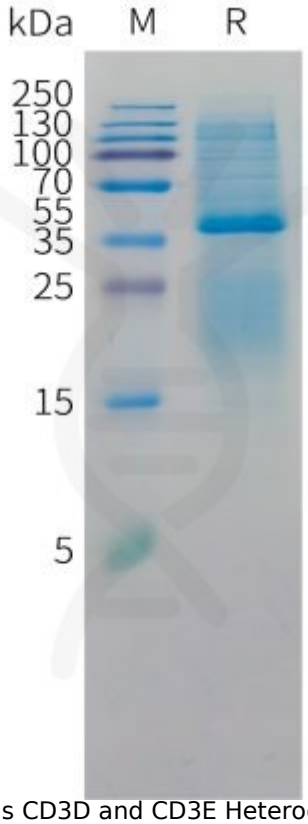


Figure 1. Cynomolgus CD3D and CD3E Heterodimer Protein, His Tag and hFc Tag on SDS-PAGE under reducing condition.

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