Human CD3D Protein, His Tag and Human CD3E Protein, hFc Tag

Cat. No. PME100730

PRODUCT INFORMATION

Target	CD3D; CD3E
Synonyms	CD3-DELTA;IMD19;T3D and IMD18;T3E;TCRE
Description	Recombinant Human CD3D Protein with C-terminal 6×His tag and Human CD3E Protein with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	P04234;P07766
Expression Host	HEK293
Tag	C-6×His Tag and C-Human Fc Tag
Molecular Characterization	CD3D(Phe22-Ala105) 6×His tag and CD3E(Asp23-Asp126) hFc(Glu99-Ala330)
Molecular Weight	The protein has a predicted molecular mass of 10.4 and 37.9 kDa after removal of the signal peptide. The apparent molecular mass of CD3D-His and CD3E-hFc is approximately 35-55 kDa due to glycosylation.
Purity	The purity of the protein is greater than 95% 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 CD3DandCD3E 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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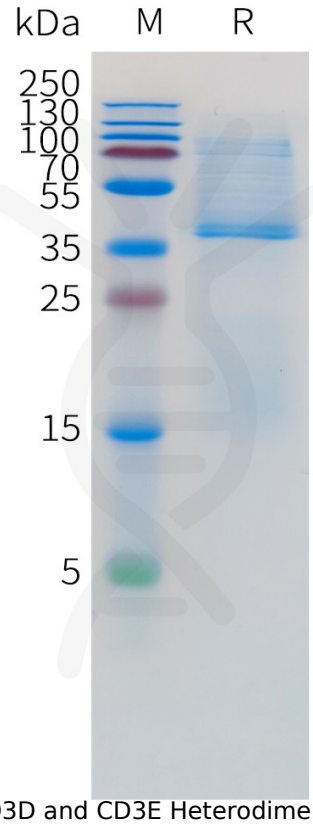


Figure 1. Human CD3D and CD3E Heterodimer Protein, His Tag and hFc Tag on SDS-PAGE under reducing condition.

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