Cat. No. PME100730



PRODUCT INFORMATION

CD3D; CD3E **Target**

CD3-DELTA;IMD19;T3D and IMD18;T3E;TCRE Synonyms

Recombinant Human CD3D Protein with C-

Description 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

CD3D(Phe22-Ala105) $6\times$ His tag and CD3E(Asp23-Asp126) hFc(Glu99-Ala330) Molecular

Characterization

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 **Molecular Weight**

due to glycosylation.

The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue **Purity**

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % Formulation & - 8% trehalose is added as protectants before Reconstitution

lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.

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

Storage & Shipping at -80°C (Avoid repeated freezing and thawing).

Lyophilized proteins are shipped at ambient

temperature.

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 resenter alpha (beta and comma (delta)). 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

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pathways.

Usage Research use only

Unconjugated Conjugate

Background





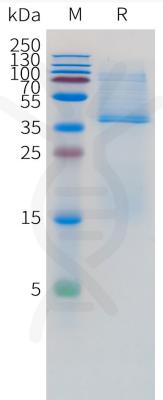


Figure 1. Human CD3D and CD3E Heterodimer Protein, His Tag and hFc Tag on SDS-PAGE under reducing condition.

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