

APC-Labeled Human CD3E & CD3D Protein, His Tag

Catalog # CDD-HA2H3



BIOSYSTEMS
Acro

Synonym

CD3E & CD3D, CD3 delta & CD3 epsilon

Source

APC-Labeled Human CD3E & CD3D Protein, His Tag (CDD-HA2H3) is expressed from human 293 cells (HEK293). It contains AA Asp 23 - Asp 126 & Phe 22 - Ala 105 (Accession # [P07766-1](#) & [P04234-1](#)).

Predicted N-terminus: Asp 23 & Phe 22

Molecular Characterization

This protein carries a polyhistidine tag at the C-terminus.

The protein has a calculated MW of 29.9 kDa & 13.4 kDa.

Conjugate

APC

Excitation Wavelength: 640 nm

Emission Wavelength: 661 nm

Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Storage

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

Please protect from light and avoid repeated freeze-thaw cycles.

This product is stable after storage at:

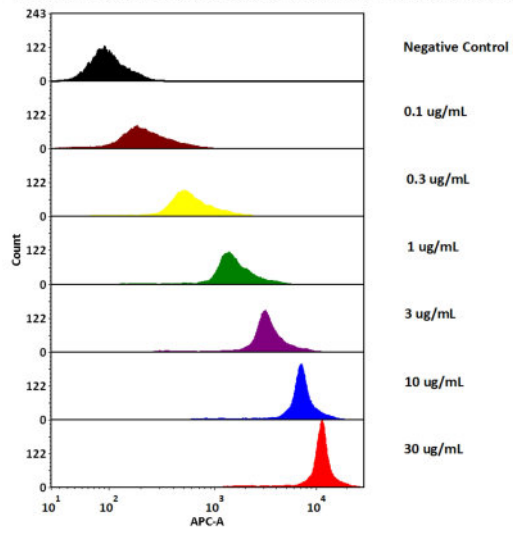
- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

ACRO Quality Management System

- [QMS\(ISO, GMP\)](#)
- [Quality Advantages](#)
- [Quality Control Process](#)

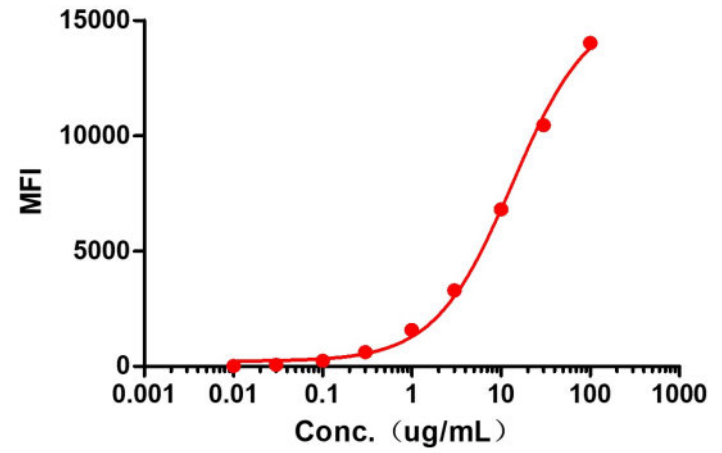
Bioactivity-FACS

The binding activity of APC-Labeled Human CD3E & CD3D Protein, His Tag



1e5 of Mouse Anti-CD3 antibody coupled beads (5.5µm) were stained with different concentration of APC-Labeled Human CD3E & CD3D Protein, His Tag (Cat. No. CDD-HA2H3) and negative control protein respectively, APC signal was used to evaluate the binding activity (QC tested).

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Background

T-cell surface glycoprotein CD3 delta & CD3 epsilon chain, also known as CD3D & CD3E or CD3D&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.

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