

Active Recombinant Human CD3E&CD3D, His&flag-tagged

Cat. No. CD3E&CD3D-219H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD3E & CD3D heterodimer protein (Human CD3E & CD3D heterodimer) Met1-Asp126 (CD3E,NP_000724.1) & Phe 22 - Ala 105 (CD3D,AAH39035) was produced in human 293 cells (HEK293).
Species	Human
Source	HEK293
ProteinLength	Met1-Ala105&Met1-Asp126
Form	Lyophilized from sterile PBS, pH 7.4
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized human CD3D & CD3E Heterodimer Protein at 2 µg/ml (100 µl/well) can bind OKT3-mIgG2a. The EC50 of OKT3-mIgG2a is 7-28 ng/ml.
Molecular Mass	The recombinant heterodimer of human CD3D&CD3E comprises 271 (126+145) amino acids and has a calculated molecular mass of 31.05 (14.4+16.65)KDa. As a result of glycosylation, the apparent molecular mass of human CD3D&CD3E heterodimer is approximately 20, 22 and 26 KDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE

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Storage

Samples are stable for up to twelve months from date of receipt at -20°C to -80°C
Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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.

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