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CD3E&CD3G

Catalog # PVGS1861

Product Information

Primary Accession	P07766(CD3E)&P09693(CD3G)
Species	Human
Sequence	Asp23-Asp126 (CD3E) & Gln23-Ser116 (CD3G)
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC
Endotoxin Level	Less than 1EU per μg by the LAL method.
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized CD3E&CD3G, His, Human at 2 μg/ml (100 μl/well) on the plate can bind OKT3, mFc Tag. Test result was comparable to standard batch.
Expression System	HEK293
Theoretical Molecular Weight	17.9 kDa (CD3E) and 17.9 kDa (CD3G)
Formulation	Lyophilized from a 0.22 μm filtered solution in PBS，(pH 7.4).
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage & Stability	Upon receiving, the product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable for 3 months at -80 °C. Avoid repeated freeze-thaw cycles.

Additional Information

Target Background	T-cell surface glycoprotein CD3 epsilon&CD3 gamma chain, also known as CD3E & CD3G, are single-pass type I membrane proteins. When antigen presenting cells (APCs) activate T-cell receptor (TCR), TCR-mediated signals are transmitted across the cell membrane by the CD3 chains CD3D, CD3E, CD3G and CD3Z. All CD3 chains contain immunoreceptor tyrosine-based activation motifs (ITAMs) in their cytoplasmic domain.

Protein Information