

# CD3E&CD3G

Catalog # PVGS1850

## Product Information

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<b>Primary Accession Species</b>	<a href="#">P07766(CD3E)&amp;P09693(CD3G)</a> Human
<b>Sequence</b>	Asp23-Asp126(CD3E) & Gln23-Ser116(CD3G)
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC
<b>Endotoxin Level</b>	Less than 1EU per $\mu$ g by the LAL method.
<b>Biological Activity</b>	Measured by its binding ability in a functional ELISA. Immobilized CD3E&CD3G hFc Chimera [Biotin], Avi, Human at 1 $\mu$ g/ml (100 $\mu$ l/well) on streptavidin (5 $\mu$ g/ml) precoated plate can bind OKT3, mFc Tag. Test result was comparable to standard batch.
<b>Expression System</b>	HEK293
<b>Theoretical Molecular Weight</b>	40 kDa (CD3E) and 36.5 kDa (CD3G)
<b>Formulation Reconstitution</b>	Lyophilized from a 0.22 $\mu$ m filtered solution in PBS , (pH 7.4). Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu$ g/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage &amp; Stability</b>	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

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<b>Target Background</b>	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.
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## Protein Information

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.