

CD3E&CD3G
Catalog # PVGS1850**Specification**

CD3E&CD3G - 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 hFc Chimera [Biotin], Avi, Human at 1 µg/ml (100 µl/well) on streptavidin (5 µg/ml) precoated plate can bind OKT3, mFc Tag. Test result was comparable to standard batch.

Expression System

HEK293

Theoretical Molecular Weight

40 kDa (CD3E) and 36.5 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.

CD3E&CD3G - 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.

CD3E&CD3G - Protein Information

CD3E&CD3G - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CD3E&CD3G - Images