

CD3E&CD3G
Catalog # PVGS1891**Specification**

CD3E&CD3G - Product InformationPrimary Accession [Q95LI5.2\(CD3E\)&Q95LI7\(CD3G\)](#)**Species**
Cynomolgus**Sequence**
Gln22-Asp117(CD3E)&Gln23-Thr113(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 Anti-CD3 Antibody, hFc Tag at 2 µg/ml (100 µl/well) on the plate can bind CD3E&CD3G hFc Chimera [Biotin], Cynomolgus. Test result was comparable to standard batch.**Expression System**
HEK293**Theoretical Molecular Weight**
36.9 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