

**Synonym**

CD3 epsilon & CD3 gamma, CD3E & CD3G

Source

Marmoset CD3E&CD3G Heterodimer Protein, Fc Tag&Fc Tag(CDG-M5253) is expressed from human 293 cells (HEK293). It contains AA Gln 22 - Asp 117 (CD3E) & Gln 51 - Ser 139 (CD3G) (Accession # [Q3LRP4-1](#) (CD3E) & [A0A2R8MU93-1](#) (CD3G)).

Predicted N-terminus: Gln 22 (CD3E) & Gln 51 (CD3E)

Molecular Characterization

CD3E (Gln 22 - Asp 117) Q3LRP4-1	Fc(Pro 100 - Lys 330) P01857
CD3G (Gln 51 - Ser 139) A0A2R8MU93-1	Fc(Pro 100 - Lys 330) P01857

Marmoset CD3E&CD3G Heterodimer Protein, Fc Tag&Fc Tag is produced by co-expression of CD3E and CD3G, has a calculated MW of 37.4 kDa (CD3E) & 36.4 kDa (CD3G). Subunit CD3E is fused with a human IgG1 Fc tag at the C-terminus and subunit CD3G is fused with a human IgG1 Fc tag at the C-terminus. The reducing (R) heterodimer protein migrates as 41-50 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) due to glycosylation.

EndotoxinLess than 1.0 EU per μ g by the LAL method / rFC method.**Purity**

>90% as determined by SDS-PAGE.

>95% as determined by SEC-MALS.

FormulationLyophilized from 0.22 μ m filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

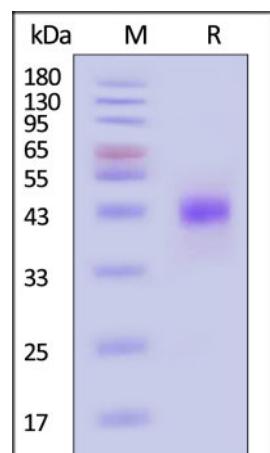
*For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.***Storage**

For long term storage, the product should be stored at lyophilized state at -20°C or lower.

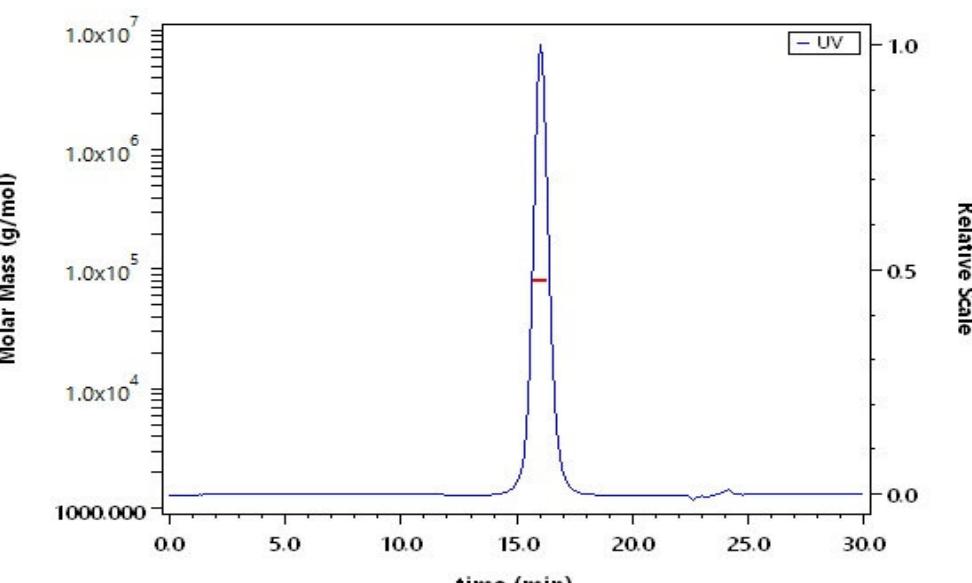
Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- 20°C to -70°C for 12 months in lyophilized state;
- 70°C for 3 months under sterile conditions after reconstitution.

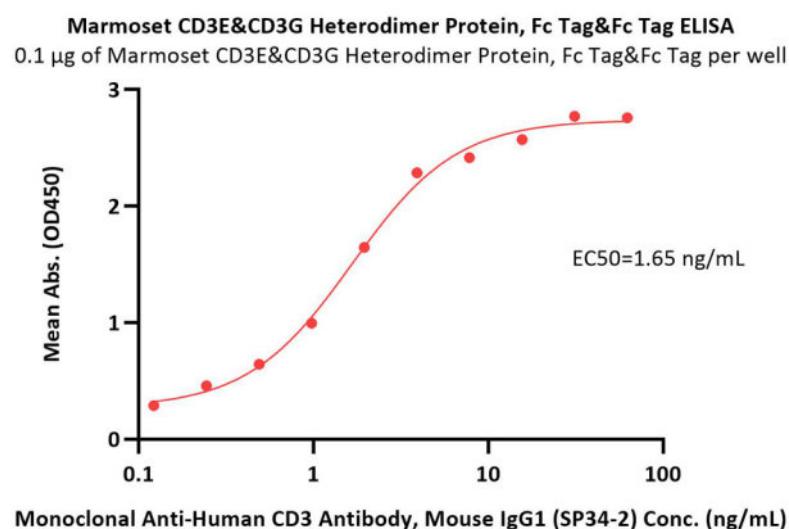
SDS-PAGE

Marmoset CD3E&CD3G Heterodimer Protein, Fc Tag&Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90% (With [Star Ribbon Pre-stained Protein Marker](#)).

SEC-MALS

The purity of Marmoset CD3E&CD3G Heterodimer Protein, Fc Tag&Fc Tag (Cat. No. CDG-M5253) is more than 95% and the molecular weight of this protein is around 70-90 kDa verified by SEC-MALS.

[Report](#)**Bioactivity-ELISA****Discounts, Gifts,
and more!**» www.acrobiosystems.com



Immobilized Marmoset CD3E&CD3G Heterodimer Protein, Fc Tag&Fc Tag (Cat. No. CDG-M5253) at 1 μ g/mL (100 μ L/well) can bind Monoclonal Anti-Human CD3 Antibody, Mouse IgG1 (SP34-2) with a linear range of 0.1-4 ng/mL (QC tested).

Background

T-cell surface glycoprotein CD3 delta & CD3 gamma chain, also known as CD3D & CD3G or CD3D&CD3G respectively, are single-pass type I membrane proteins. CD3D, together with CD3- epsilon(CD3E) , CD3-gamma and CD3-zeta, and the T-cell receptor alpha/beta and gamma/delta heterodimers, forms the T cell receptor-CD3 complex. T cell receptor-CD3 complex plays an important role in coupling antigen recognition to several intracellular signal-transduction pathways.

Discounts, Gifts,
and more!



» www.acrobiosystems.com