

**Synonym**

CD3E & CD3D, CD3 delta & CD3 epsilon

Source

Rabbit CD3E&CD3D Heterodimer Protein, Llama Fc&Llama Fc (CDD-R5259) is expressed from human 293 cells (HEK293). It contains AA Gln 22 - Thr 120 (CD3E) & Thr 22 - Ser 107 (CD3D) (Accession # [Q9TUF9-1](#) (CD3E) & [A0A5F9D3I4-1](#) (CD3D)).

Predicted N-terminus: Gln 22 (CD3E) & Thr 22 (CD3D)

Molecular Characterization

CD3E(Gln 22 - Thr 120) Q9TUF9-1	LlamaFc(Glu 1 - Ser 243) AAX73259.1
CD3D(Thr 22 - Ser 107) A0A5F9D3I4-1	LlamaFc(Glu 1 - Ser 243) AAX73259.1

Rabbit CD3E&CD3D Heterodimer Protein, Llama Fc&Llama Fc is produced by co-expression of CD3E and CD3D, has a calculated MW of 42.4 kDa (CD3E) and 40.8 kDa (CD3D). Subunit CD3E is fused with a llama IgG2b Fc tag at the C-terminus and subunit CD3D is fused with a llama IgG2b Fc tag at the C-terminus. The reducing (R) protein migrates as 50 kDa and 60 kDa due to glycosylation.

EndotoxinLess than 0.01 EU per μ g by the LAL method / rFC method.**Purity**

>95% as determined by SDS-PAGE.

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.

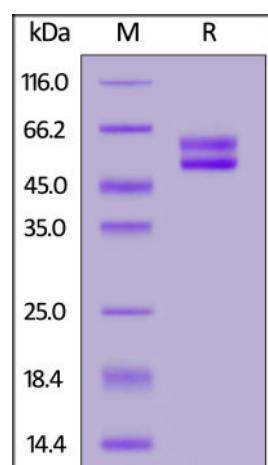
*For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.***Storage**

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

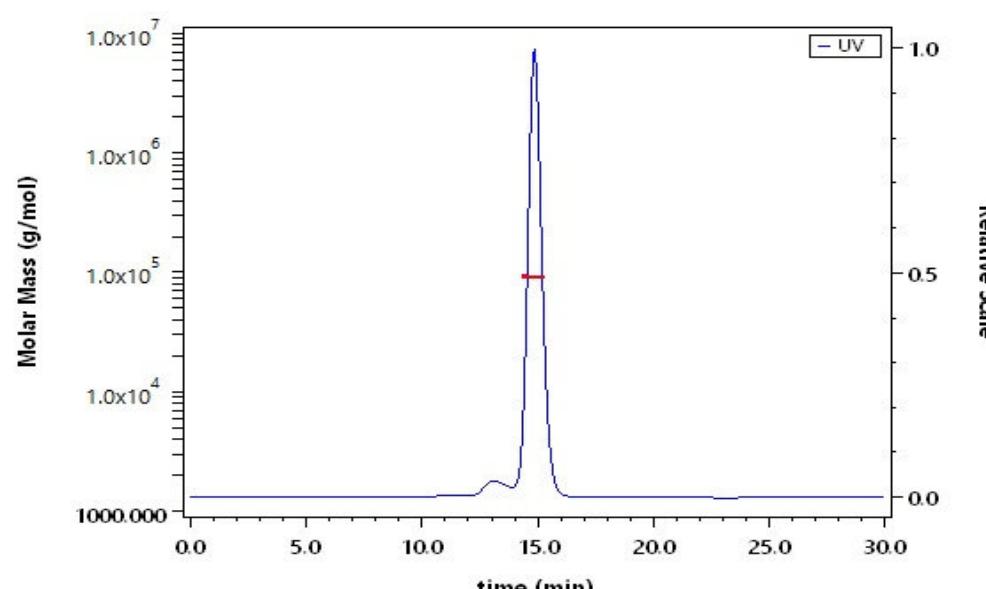
Please avoid repeated freeze-thaw cycles.

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

Rabbit CD3E&CD3D Heterodimer Protein, Llama Fc&Llama Fc on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%.

SEC-MALS

The purity of Rabbit CD3E&CD3D Heterodimer Protein, Llama Fc&Llama Fc (Cat. No. CDD-R5259) is more than 85% and the molecular weight of this protein is around 85-100 kDa verified by SEC-MALS.

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Rabbit CD3E&CD3D Heterodimer Protein, Llama Fc&Llama Fc, low endotoxin (MALS verified)

Catalog # CDD-R5259



BIOSYSTEMS
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T-cell surface glycoprotein CD3 delta & CD3 epsilon chain, also known as CD3D & CD3E or CD3D&CD3E 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.

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