

Synonym

CA125,CA-125,CA125MUC-16,FLJ14303,MUC16,mucin 16,mucin-16

Source

Biotinylated Cynomolgus CA125 Protein, His,Avitag(CA5-C82E9) is expressed from human 293 cells (HEK293). It contains AA Pro 11544 - Pro 12188 (Accession # [XP\\_045234963.1](#)).  
Predicted N-terminus: Pro 11544

Molecular Characterization

CA125(Pro 11544 - Pro 12188) XP_045234963.1	Poly-his	Avi
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This protein carries a polyhistidine tag at the C-terminus, followed by an Avi tag (Avitag™).

The protein has a calculated MW of 75.6 kDa. The protein migrates as 90-115 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Labeling

*Biotinylation of this product is performed using Avitag™ technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin.*

Protein Ratio

Passed as determined by the HABA assay / binding ELISA.

Purity

>90% as determined by SDS-PAGE.

>95% as determined by SEC-MALS.

Formulation

Lyophilized from 0.22 µm 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

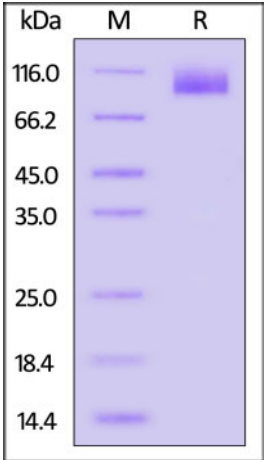
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

*Please avoid repeated freeze-thaw cycles.*

This product is stable after storage at:

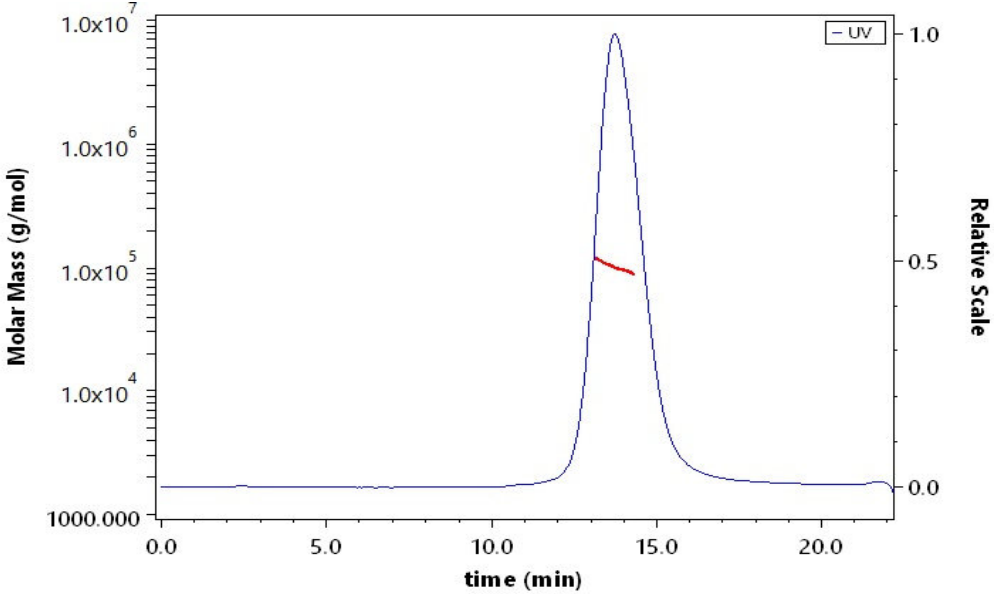
- 20°C to -70°C for 12 months in lyophilized state;
- 70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE



Biotinylated Cynomolgus CA125 Protein, His,Avitag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90%.

SEC-MALS



The purity of Biotinylated Cynomolgus CA125 Protein, His,Avitag (Cat. No. CA5-C82E9) is more than 95% and the molecular weight of this protein is around 90-115 kDa verified by SEC-MALS.

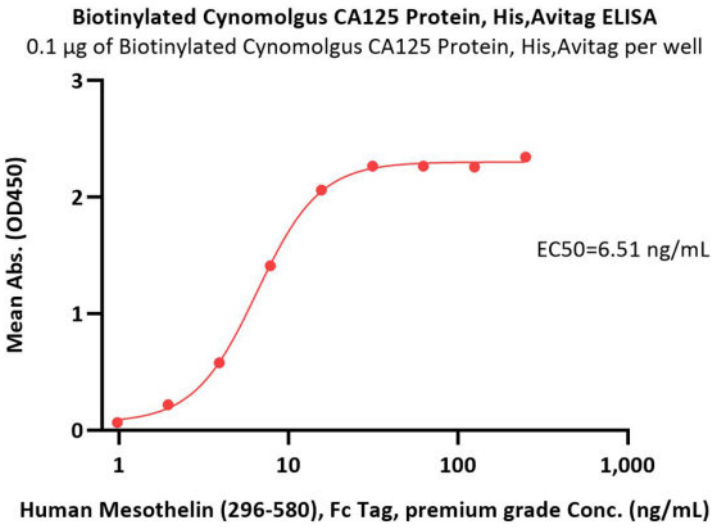
[Report](#)

Bioactivity-ELISA



Biotinylated Cynomolgus CA125 / MUC16 Protein, His,Avitag™ (MALS verified)

Catalog # CA5-C82E9



Immobilized Biotinylated Cynomolgus CA125 Protein, His,Avitag (Cat. No. CA5-C82E9) at 1 µg/mL (100 µL/well) on streptavidin (Cat. No. STN-N5116) precoated (0.5 µg/well) plate can bind Human Mesothelin (296-580), Fc Tag, premium grade (Cat. No. MSN-H5253) with a linear range of 1-16 ng/mL (QC tested).

