



## 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)	Poly-his	Avi
XP_045234963.1		

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

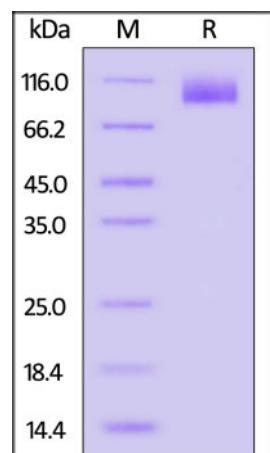
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

*Please avoid repeated freeze-thaw cycles.*

This product is stable after storage at:

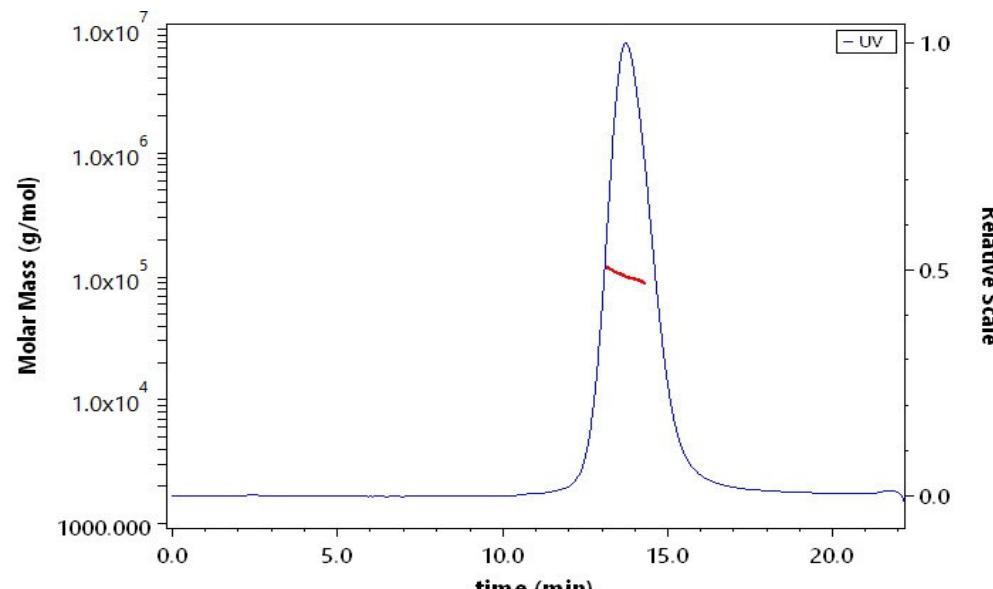
- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

## 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.

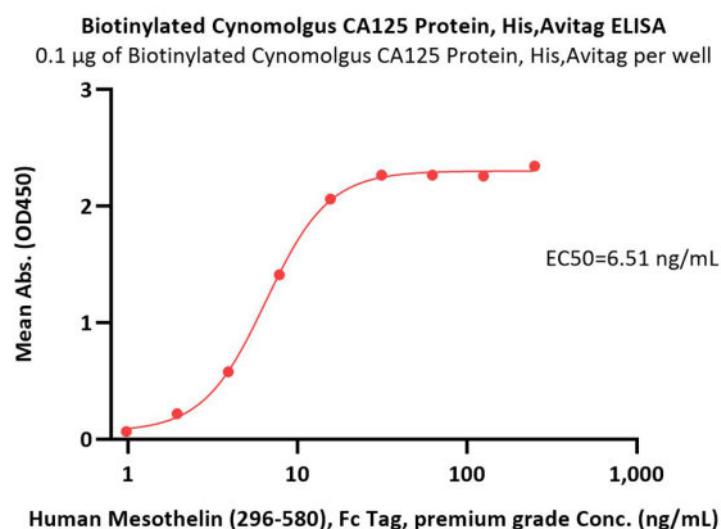
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## Bioactivity-ELISA

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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).

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