

RP01839

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Recombinant Human MUC-16/CA125 Protein

Catalog No.: RP01839

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	94025	Q8WXI7

Tags

C-hFc

Synonyms

Mucin-16; MUC-16; Ovarian cancer-related tumor marker CA125; CA-125; Ovarian carcinoma antigen CA125 , MUC16; CA125

Product Information

Source

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Purification

≥ 95% as determined by SDS-PAGE.

Endotoxin

< 0.01 EU/μg of the protein by LAL method

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of

Background

The CA125, also known as the MUC16, is a mucin protein that may be found in type I transmembrane or secreted forms that are used to monitor the progress of epithelial ovarian cancer therapy. The CA 125 molecule is almost certainly a glycoprotein with a predominance of O-linkages. It is heterogeneous with regard to both size and charge, most likely due to continuous deglycosylation of side chains during its life-span in bodily fluids. It exists as a very large complex (perhaps as much as 4 million daltons) under natural conditions.

Basic Information

Description

Recombinant Human MUC-16/CA125 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gly12660-Met12923) of Human MUC-16/CA125 (Accession #NP_078966.2) fused with a hFc tag at the C-terminus.

Bio-Activity

Measured by its binding ability in a functional ELISA. Immobilized human Mesothelin/MSLN (Catalog: RP01053) at 2 μg/mL (100 μL/well) can bind human MUC16 (Catalog: RP01839) with a linear range of 0.05-4.12 ng/mL.

Shipping

Lyophilized proteins are shipped at ambient temperature. Liquid proteins are shipped at frozen temperature with dry ice. Upon receipt, store it immediately at the temperature recommended below.

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

Storage

Store at -20°C. Avoid repeated freeze/thaw cycles.

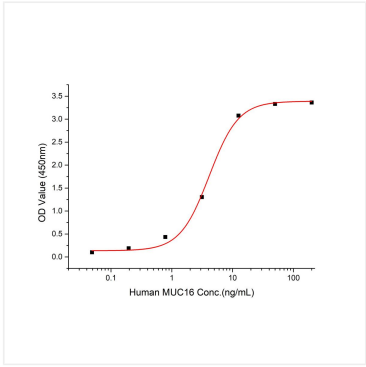
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Contact

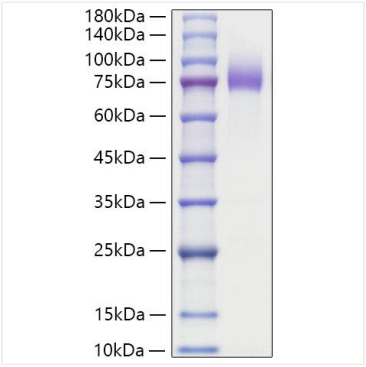


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Validation Data



Immobilized human Mesothelin/MSLN (Catalog: RP01053) at 2 µg/mL (100 µL/well) can bind human MUC16(Catalog: RP01839) with a linear range of 0.05-4.12 ng/mL.



Recombinant Human MUC-16/CA125 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.