

RP01417B

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Biotinylated Recombinant Human MUC-16/CA125 Protein

Catalog No.: RP01417B

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	94025	Q8WXI7

Tags

C-His&Avi

Synonyms

CA125; CA-125; CA125MUC-16;
FLJ14303; MUC16

Product Information

Source

Centrifuge the tube 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 Tris-Bis PAGE.

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

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

Reconstitution

Background

MUC16, also known as the CA125 antigen, 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. Thought to provide a protective, lubricating barrier against particles and infectious agents at mucosal surfaces. Binding to MSLN mediates heterotypic cell adhesion. This may contribute to the metastasis of ovarian cancer to the peritoneum by initiating cell attachment to the mesothelial epithelium via binding to MSLN.

Basic Information

Description

Biotinylated Recombinant Human MUC-16/CA125 Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Gly12660-Met12923) of Human MUC-16/CA125 fused with a His and Avi tag at the C-terminal.

Bio-Activity

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

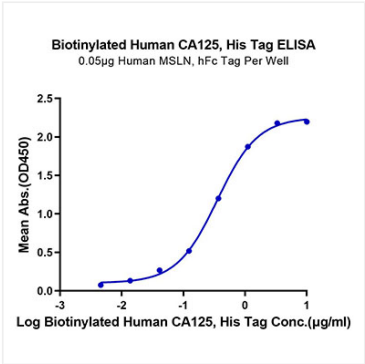
Store at -20°C
Avoid repeated freeze/thaw cycles.

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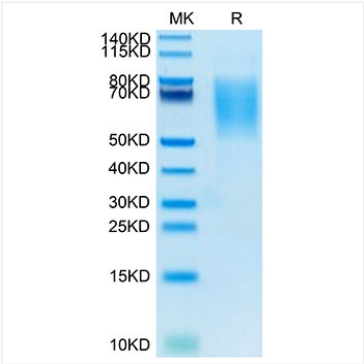
Contact



www.abclonal.com



Immobilized Human MSLN, hFc Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human CA125, His Tag with the EC₅₀ of 0.35µg/ml determined by ELISA.



Biotinylated Recombinant Human MUC-16/CA125 Protein was determined by Tris-Bis PAGE under reducing conditions.