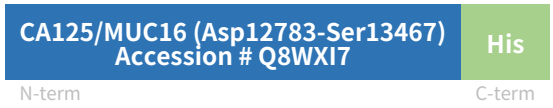
Rev05
Update: Apr,08,2026

DATASHEET

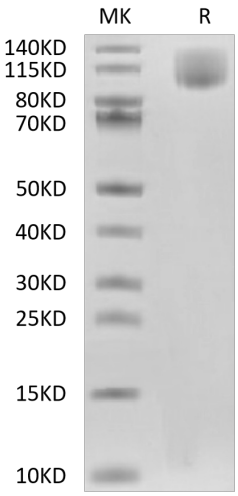
CA125/MUC16, His, Human

Cat. No.: Z04037

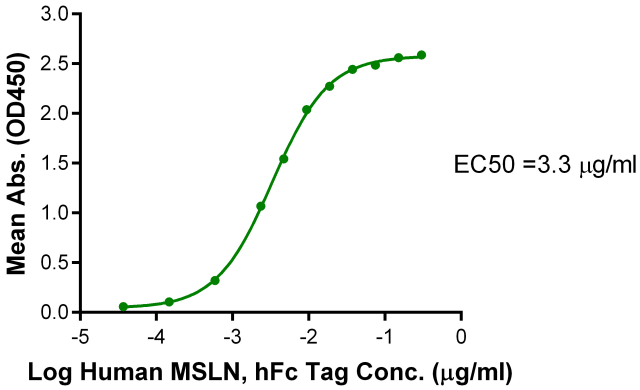
Product Introduction

Species	Human
Protein Construction	
Purity	> 95% as determined by Bis-Tris PAGE
Endotoxin Level	Less than 1EU per μg by the LAL method.
Biological Activity	Measured by its binding ability in a functional ELISA. Test result was comparable to standard batch.
Expression System	HEK293
Theoretical Molecular Weight	76.17 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 90-140 kDa based on Bis-Tris PAGE result.
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4).
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage & Stability	Upon receiving, the product remains stable for 6 months at -20°C or below. Upon reconstitution, the product should be stable for 3 months at -80°C. Avoid repeated freeze-thaw cycles.

Examples



CA125/MUC16, His, Human on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.



Immobilized CA125/MUC16, His, Human, His Tag at 1 μg/ml (100 μl/well) on the plate. Dose response curve for Human MSLN, hFc Tag with the EC50 of 3.3ng/ml determined by ELISA.

Background

Target 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 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.

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

For research use only. Not intended for human or animal clinical trials, therapeutic or diagnostic use.

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