Recombinant Human MUC16 Protein, C-Fc-Avi tagged, Biotinylated

Cat. No. MUC16-28H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Human Mucin-16 is produced by our Mammalian expression system and thetarget gene encoding Gly12660-Met12923 is expressed with a Fc, Avi tag at the C-terminus.
Species	Human
Source	Human Cells
ProteinLength	Gly12660-Met12923
Description	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. MUC16 is over-expressed by tumor cells including ovarian and mesothelial cancers. The transmembrane form can adhere to mesothelin in the peritoneum, facilitating metastasis of ovarian cancer to the peritoneal cavity. MUC16 also binds galectin-1 on immune cells and enhances its expression on tumor cells. MUC16-expressing tumors adhere to NK cells, down-regulate CD16 and suppress NK response, which may promote immune evasion. MUC16 is also cyclically expressed in the endometrium and may contribute to immune privilege during pregnancy. In the eye, MUC16 and other mucins protect the cornea and keep it hydrated. It is altered on the conjunctival epithelium of patients with non-Sjogren dry eye syndrome.

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Endotoxin	Less than 0.1 ng/μg (1 EU/μg)
Storage Buffer	Lyophilized from a 0.2 μm filtered solution of 50 mM Tris, 100 mM Glycine, pH 7.5.
Shipping	Ambient
Conjugation	Biotin

GENE INFORMATION

Gene Name	MUC16 mucin 16, cell surface associated [Homo sapiens (human)]
Official Symbol	MUC16
Synonyms	CA125 ovarian cancer antigen; CA125; CA-125; CA125MUC-16; FLJ14303; MUC16; mucin 16; cell surface associated; mucin-16
Gene ID	94025
mRNA Refseq	NM_024690
Protein Refseq	NP_078966
MIM	606154
UniProt ID	Q8WXI7

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