

Human CA125,MUC16 ELISA Kit

Catalog No: #EK5691

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Description

Product Name	Human CA125,MUC16 ELISA Kit
Specificity	Human
Crossing Reactivity	There is no detectable cross-reactivity with other relevant proteins.
Other Names	Mucin-16; MUC-16; Ovarian cancer-related tumor marker CA125; CA-125; Ovarian carcinoma antigen CA125; MUC16; CA125;
Accession No.	Q8WXI7
Uniprot	Q8WXI7
GeneID	94025;
Cell Localization	Cell membrane; May be liberated into the extracellular space following the phosphorylation of the intracellular C-terminus which induces the proteolytic cleavage and liberation of the extracellular domain.

Application Details

sensitivity:10pg/ml

Detect Range:15.6pg/ml-1000pg/ml

sample_type:cell culture supernates serum plasma(heparin EDTA) saliva urine and human milk.

capture_antibody:

detection_antibody:

gene_name:MUC16

protein_name:Mucin-16

gene_full_name:Mucin-16

tissue_specificity: Expressed in corneal and conjunctival epithelia (at protein level). Overexpressed in ovarian carcinomas and ovarian low malignant potential (LMP) tumors as compared to the expression in normal ovarian tissue and ovarian adenomas..

sequence_similarities:

tmb_incubation:20-25min

research_category:tags & cell markers|cell type markers|tumor associated|signal transduction|cytoskeleton / ecm|extracellular matrix|ecm proteins|muc|cancer|invasion/microenvironment|tumor biomarkers|tumor antigens

Product Description

Sandwich High Sensitivity ELISA kit for Quantitative Detection of Human CA125,MUC16

Background

protein_function: Thought to provide a protective, lubricating barrier against particles and infectious agents at mucosal surfaces..

CA-125, also known as mucin 16 or MUC16, is a protein that in humans is encoded by the MUC16 gene. MUC16 is a member of the mucin family glycoproteins. It is a component of the ocular surface, the respiratory tract and the female reproductive tract epithelia. Since MUC16 is highly glycosylated it creates a hydrophilic environment that acts as a lubricating barrier against foreign particles and infectious agents on the apical membrane of epithelial cells. Also, the cytoplasmic tail of MUC16 has been shown to interact with cytoskeleton by binding members of the ERM protein family. The expression of mucin 16 has been shown to be altered in dry eye, cystic fibrosis, and several types of cancers.

Note: This product is for in vitro research use only