

Human MUC16 ELISA Kit | MUC16 elisa kit

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CATALOG #
AAA263064

REACTIVITY
Human

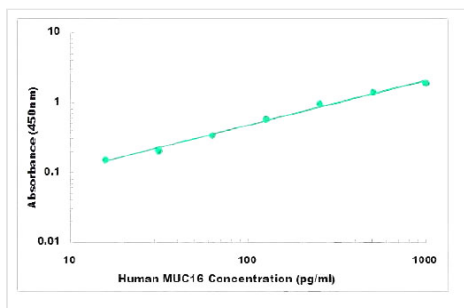
PRODUCT SYNONYMS

MUC16; Human MUC16 ELISA Kit; CA125; Mucin-16; MUC-16; Ovarian cancer-related tumor marker CA125; CA-125; Ovarian carcinoma antigen CA125; MUC16 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human MUC16 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human MUC16 proteins within the range of 15.6 pg/ml - 1000 pg/ml.
Sequence Length	14507
Samples	Cell culture supernates, serum, plasma, saliva, urine, human milk
Sensitivity	< 10 pg/ml
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MUC16 elisa kit	Principle of the Assay: The AAA Biotech' Human MUC16 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human MUC16 in Cell Culture Supernates, Serum, Plasma, Saliva, Urine, Human Milk. This assay employs an antibody specific for Human MUC16 coated on a 96-well plate. Standards and samples are pipetted into the wells and MUC16 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human MUC16 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of MUC16 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm. Background/Introduction: 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	83367077
NCBI GeneID	94025
NCBI Accession #	NP_078966.2
NCBI GenBank Nucleotide #	NM_024690.2
UniProt Accession #	Q8WXI7; Q6ZQW5; Q96RK2; B5ME49
Molecular Weight	1,519,175 Da
NCBI Official Full Name	mucin-16
NCBI Official Synonym Full Names	mucin 16, cell surface associated
NCBI Official Symbol	MUC16
NCBI Official Synonym Symbols	CA125
NCBI Protein Information	mucin-16
UniProt Protein Name	Mucin-16
UniProt Gene Name	MUC16
UniProt Synonym Gene Names	CA-125
UniProt Entry Name	MUC16_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/muc16/263064>