

Human MUC16 ELISA Kit | MUC16 elisa kit

Human CA125/MUC16 PicoKine ELISA Kit

CATALOG #
AAA46669

REACTIVITY
Human

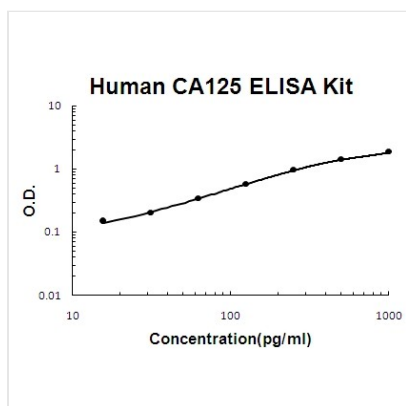
PRODUCT SYNONYMS

MUC16; Human CA125/MUC16 PicoKine ELISA Kit; CA125; CA 125; CA-125; MUC 16; MUC-16; Mucin16; Mucin 16; Mucin-16; Q8WXI7; mucin 16; cell surface associated; MUC16 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human CA125/MUC16
Sequence Length	14507
Samples	Cell culture supernates, serum, plasma(heparin, EDTA), saliva, urine and human milk.
Assay Type	Sandwich
Detection Range	15.6pg/ml-1000pg/ml
Sensitivity	<10pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice).

IMAGES



Standard Curve (Sample)

Human CA125/MUC16 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for MUC16 elisa kit	Principle of the Assay: Human CA125/MUC16 ELISA Kit was based on standard sandwich enzyme-linked immunosorbent assay technology. A monoclonal antibody from mouse specific for CA125/MUC16 has been precoated onto 96-well plates. Standards(Expression system for standard: CHO; Immunogen sequence: M21005-Q21992) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for CA125/MUC16 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human CA125/MUC16 amount of sample captured in plate. 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.