

Human Carbohydrate Antigen 125 (CA125) RTU ELISA Kit | CA125 rtu elisa kit

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CATALOG #
AAA66465

REACTIVITY
Human

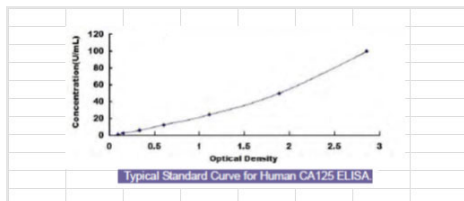
PRODUCT SYNONYMS

Carbohydrate Antigen 125 (CA125); Human Carbohydrate Antigen 125 (CA125) ELISA Kit; MUC16; Cancer Antigen 125; Mucin 16; Cell Surface Associated; Ovarian Cancer-Related Tumor Marker CA125; Ovarian Carcinoma Antigen CA125; CA125 rtu elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of CA125. No significant cross-reactivity or interference between CA125 and analogues was observed.
Sequence Length	14507
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	15-250U/mL
Sensitivity	< 7.8U/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CA125 were tested 20 times on one plate, respectively. Intra-Assay: CV<20%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level CA125 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<15%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CA125 rtu elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of CA125 in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to CA125. Standards or samples are then added to the appropriate microtiter plate wells with the enzyme binding compound to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain CA125 will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of CA125 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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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

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://stage.aaabiotech.com/human-rtu-elisa-kits/carbohydrate-antigen-125-ca125/66465>