

Human Mucin 5 Subtype AC (MUC5AC) ELISA Kit | MUC5AC elisa kit

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CATALOG #
AAA66832

REACTIVITY
Human

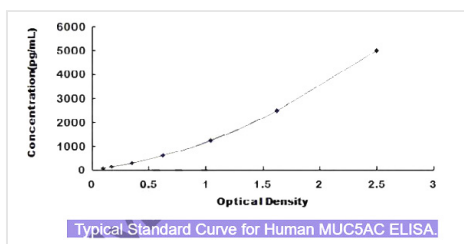
PRODUCT SYNONYMS

Mucin 5 Subtype AC (MUC5AC); Human Mucin 5 Subtype AC (MUC5AC) ELISA Kit; TBM; MUC5; LeB; Oligomeric Mucus/Gel-Forming; Mucin 5; Subtypes A And C; Tracheobronchial/Gastric; Gastric mucin; Lewis B blood group antigen; Major airway glycoprotein; MUC5AC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of MUC5AC. No significant cross-reactivity or interference between MUC5AC and analogues was observed.
Sequence Length	5654
Assay Type	Quantitative Sandwich
Samples	Human tissue homogenates, cell lysates, cell culture supernates or other biological fluids
Detection Range	78.1-5000pg/mL
Sensitivity	< 28pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level MUC5AC were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level MUC5AC were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
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 MUC5AC elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to MUC5AC. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to MUC5AC. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain MUC5AC, biotin-conjugated antibody and enzyme-conjugated Avidin 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 MUC5AC in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of MUC5AC in human tissue homogenates, cell lysates, cell culture supernates or other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	748983076
NCBI GeneID	4586
NCBI Accession #	NP_001291288.1
NCBI GenBank Nucleotide #	NM_001304359.1
UniProt Accession #	P98088; O60460; O76065; Q13792; Q14425; Q658Q1; Q7M4S5; Q8N4M9; Q8WWQ3; Q8WWQ4; Q8WWQ5; AOA096LPK4
Molecular Weight	585,570 Da
NCBI Official Full Name	mucin-5AC
NCBI Official Synonym Full Names	mucin 5AC, oligomeric mucus/gel-forming
NCBI Official Symbol	MUC5AC
NCBI Official Synonym Symbols	TBM; leB; MUC5; mucin
NCBI Protein Information	mucin-5AC
UniProt Protein Name	Mucin-5AC
UniProt Gene Name	MUC5AC
UniProt Synonym Gene Names	TBM

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-elisa-kits/mucin-5-subtype-ac-muc5ac/66832>