

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

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CATALOG #
AAA67425

REACTIVITY
Mouse

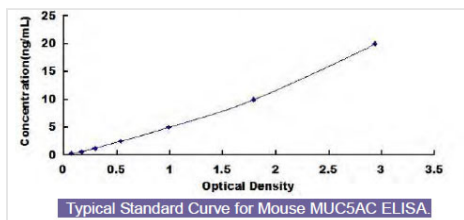
PRODUCT SYNONYMS

Mucin 5 Subtype AC (MUC5AC); Mouse 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	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of MUC3. No significant cross-reactivity or interference between MUC3 and analogues was observed.
Sequence Length	2751
Samples	Human Tissue Homogenates, Cell Lysates, Cell Culture Supernates Or Other Biological Fluids
Assay Type	Quantitative Sandwich
Detection Range	62.5-4000pg/mL
Sensitivity	23.6pg/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level MUC3 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 MUC3 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	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of MUC3 in human 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 MUC3. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to MUC3. 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 MUC3, 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 MUC3 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 #	114431224
NCBI GeneID	17833
NCBI Accession #	NP_034974.1
NCBI GenBank Nucleotide #	NM_010844.1
UniProt Accession #	E9PWB6
Molecular Weight	298,931 Da
NCBI Official Full Name	mucin-5AC
NCBI Official Synonym Full Names	mucin 5, subtypes A and C, tracheobronchial/gastric
NCBI Official Symbol	Muc5ac
NCBI Official Synonym Symbols	MGM; 2210005L13Rik
NCBI Protein Information	mucin-5AC
UniProt Protein Name	Protein Muc5ac
UniProt Gene Name	Muc5ac

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/mouse-elisa-kits/mucin-5-subtype-ac-muc5ac/67425>