

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

Mouse Mucin 5 Subtype AC (MUC5AC) Instant ELISA Kit

CATALOG # AAA188622	REACTIVITY Mouse	APPLICATIONS ELISA
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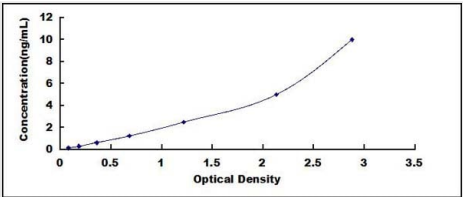
PRODUCT SYNONYMS

Mucin 5 Subtype AC (MUC5AC); Mouse Mucin 5 Subtype AC (MUC5AC) Instant ELISA Kit; Mucin 5 Subtype AC; 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 Instant Mucin 5 Subtype AC (MUC5AC). No significant cross-reactivity or interference between Instant Mucin 5 Subtype AC (MUC5AC) and analogues was observed.
Sequence Length	2751
Assay Type	Double-antibody Sandwich
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 0.055ng/mL
Applicable Applications for MUC5AC elisa kit	ELISA
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Instant Mucin 5 Subtype AC (MUC5AC) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Instant Mucin 5 Subtype AC (MUC5AC) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Test Principle	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Instant Mucin 5 Subtype AC (MUC5AC). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Instant Mucin 5 Subtype AC (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 Instant Mucin 5 Subtype AC (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 Instant Mucin 5 Subtype AC (MUC5AC) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

NCBI AND UNIPROT INFORMATION

NCBI GI #	114431224
NCBI Accession #	NP_034974.1
NCBI GenBank Nucleotide #	NP_034974.1
UniProt Accession #	E9PWB6
NCBI Official Full Name	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://www.aaabiotech.com/mouse-elisa-kits/mucin-5-subtype-ac-muc5ac/188622>