

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

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CATALOG #
AAA63858

REACTIVITY
Rat

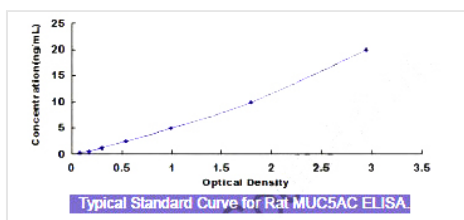
PRODUCT SYNONYMS

Mucin 5 Subtype AC (MUC5AC); Rat 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	Rat
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	1851
Samples	Tissue homogenates, cell lysates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.115ng/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	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of MUC5AC in rat Tissue homogenates, cell lysates and other biological fluids 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	81872520
NCBI GeneID	682837
UniProt Accession #	Q9ESP3
Molecular Weight	199,405 Da
NCBI Official Full Name	Mucin
NCBI Official Synonym Full Names	mucin 5AC, oligomeric mucus/gel-forming
NCBI Official Symbol	Muc5ac
NCBI Protein Information	mucin 5, subtypes A and C
UniProt Protein Name	Mucin
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.