

Rat Mucin 5 Subtype B (MUC5B) ELISA Kit | MUC5B elisa kit

Rat Mucin 5 Subtype B (MUC5B) Mini Samples ELISA Kit

CATALOG #
AAA147361

REACTIVITY
Rat

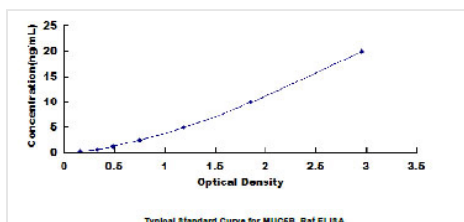
PRODUCT SYNONYMS

Mucin 5 Subtype B (MUC5B); Rat Mucin 5 Subtype B (MUC5B) Mini Samples ELISA Kit; MUC5-B; MUC9; MG1; Oligomeric Mucus/Gel-Forming; Mucin 5; Subtype B; Tracheobronchial; Cervical mucin; High molecular weight salivary mucin MG1; Sublingual gland mucin; MUC5B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of MUC5B. No significant cross-reactivity or interference between MUC5B and analogues was observed.
Sequence Length	4,156
Samples	Tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	<0.135ng/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level MUC5B 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 MUC5B were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MUC5B elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of MUC5B in rat tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to MUC5B. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to MUC5B. 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 MUC5B, 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 MUC5B in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for MUC5B elisa kit	Tumor immunity; Infection immunity; Pulmonology; Dermatology

NCBI AND UNIPROT INFORMATION

UniProt Accession #	D3ZAU0
Molecular Weight	449,074 Da
UniProt Protein Name	Protein Muc5b
UniProt Gene Name	Muc5b

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/rat-elisa-kits/mucin-5-subtype-b-muc5b/147361>