

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

Mouse Mucin 5 Subtype B (MUC5B) ELISA Kit

CATALOG #
AAA67298

REACTIVITY
Mouse

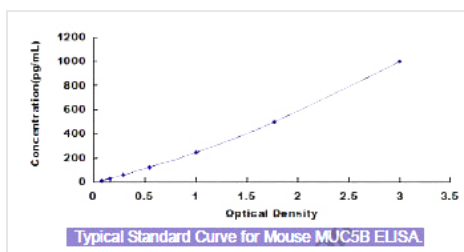
PRODUCT SYNONYMS

Mucin 5 Subtype B (MUC5B); Mouse Mucin 5 Subtype B (MUC5B) 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	Mouse
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	4800
Samples	Tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Assay Type	Sandwich
Detection Range	15.625-1000pg/mL
Sensitivity	6.7pg/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%
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 MUC5B elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of MUC5B in mouse tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to MUC5B. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation 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.
---	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	147905740
NCBI GeneID	74180
NCBI Accession #	NP_083077.2
NCBI GenBank Nucleotide #	NM_028801.2
UniProt Accession #	Q9CV93
Molecular Weight	78,873 Da
NCBI Official Full Name	mucin-5B
NCBI Official Synonym Full Names	mucin 5, subtype B, tracheobronchial
NCBI Official Symbol	Muc5b
NCBI Official Synonym Symbols	MUC5; MUC9; AV085033; mucin 5b; A130042M24; 2300002I04Rik
NCBI Protein Information	mucin-5B
UniProt Protein Name	Putative uncharacterized protein
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.