

Human Mucin 5 Subtype B (MUC5B) CLIA Kit | MUC5B clia kit

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CATALOG # AAA188963	REACTIVITY Human	APPLICATIONS CLIA (Chemiluminescence Immunoassay)
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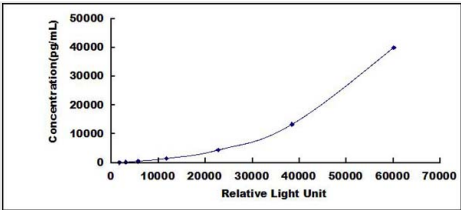
PRODUCT SYNONYMS

Mucin 5 Subtype B (MUC5B); Human Mucin 5 Subtype B (MUC5B) CLIA Kit; Mucin 5 Subtype B; 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 clia kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Mucin 5 Subtype B (MUC5B). No significant cross-reactivity or interference between Mucin 5 Subtype B (MUC5B) and analogues was observed.
Sequence Length	5762
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	54.9-40,000pg/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 18.9pg/mL
Applicable Applications for MUC5B clia kit	CLIA (Chemiluminescence Immunoassay)
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Mucin 5 Subtype B (MUC5B) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Mucin 5 Subtype B (MUC5B) 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 microplate provided in this kit has been pre-coated with an antibody specific to Mucin 5 Subtype B (MUC5B). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Mucin 5 Subtype B (MUC5B). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the Mucin 5 Subtype B (MUC5B) level in the sample or standard.
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 #	301172750
NCBI GeneID	727897
NCBI Accession #	NP_002449.2
NCBI GenBank Nucleotide #	NP_002449.2
UniProt Accession #	Q9HC84
NCBI Official Full Name	mucin-5B
NCBI Official Synonym Full Names	mucin 5B, oligomeric mucus/gel-forming
NCBI Official Symbol	MUC5B
NCBI Official Synonym Symbols	MG1; MUC5; MUC9; MUC-5B
NCBI Protein Information	mucin-5B
UniProt Protein Name	Mucin-5B
UniProt Gene Name	MUC5B
UniProt Synonym Gene Names	MUC5; MUC-5B
UniProt Entry Name	MUC5B_HUMAN

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/human-clia-kits/mucin-5-subtype-b-muc5b/188963>