

Human Mucin-5B ELISA Kit | MUC5B elisa kit

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CATALOG #
AAA17525

REACTIVITY
Human

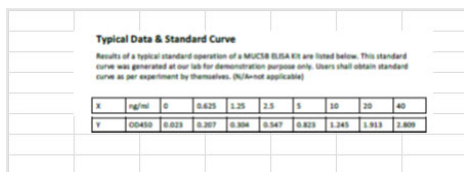
PRODUCT SYNONYMS

Mucin-5B; Human Mucin-5B ELISA Kit; MUC5B/MUC5/MUC-5B/Sublingual gland mucin/Mucin-5 subtype B; tracheobronchial/Cervical mucin/High molecular weight salivary mucin MG1; MUC5B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
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	1791
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.625-40ng/ml
Sensitivity	0.375ng/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<8%
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<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MUC5B elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-MUC5B antibody was pre-coated onto 96-well plates. And the biotin conjugated anti- MUC5B antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRPStreptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the MUC5B amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of MUC5B can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	565306316
Molecular Weight	196,403 Da
NCBI Official Full Name	Mucin-5B
UniProt Protein Name	Mucin-5B
UniProt Gene Name	MUC5B
UniProt Entry Name	V8NGJ7_OPHHA

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/muc5b-human-elisa-kits/mucin-5b/17525>