

Human Mucin-5 subtype B ELISA Kit | MUC5B elisa kit

Human Mucin-5 subtype B (MUC5B) ELISA Kit

CATALOG # AAA55803	REACTIVITY Human
------------------------------	----------------------------

PRODUCT SYNONYMS

Mucin-5 subtype B; Human Mucin-5 subtype B (MUC5B) ELISA Kit; MG1; MUC5; MUC9; cervical mucin MUC5B|high molecular weight mucin|mucin 5; subtype B; tracheobronchial|mucin MUC5B|mucin; salivary (high molecular weight); MUC5B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human MUC5B. No significant cross-reactivity or interference between Human MUC5B and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	7.8 ng/mL - 500 ng/mL
Sensitivity	3.9 ng/mL (mean of 6 independent assays)
Intra-assay Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for MUC5B elisa kit	Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate MUC5B in Human serum, plasma. An antibody specific for MUC5B has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MUC5B present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MUC5B is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of MUC5B bound in the initial step. The color development is stopped and the intensity of the color is measured. Intended Uses: For the quantitative detection of Human Mucin-5 subtype B (MUC5B) concentration in serum, plasma and other biological fluids.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	748983076
NCBI GeneID	4586
NCBI Accession #	NP_001291288.1
NCBI GenBank Nucleotide #	NM_001304359.1
UniProt Accession #	P98088; O60460; O76065; Q13792; Q14425; Q658Q1; Q7M4S5; Q8N4M9; Q8WWQ3; Q8WWQ4; Q8WWQ5; A0A096LPK4

Molecular Weight	585,570 Da
NCBI Official Full Name	mucin-5AC
NCBI Official Synonym Full Names	mucin 5AC, oligomeric mucus/gel-forming
NCBI Official Symbol	MUC5AC
NCBI Official Synonym Symbols	TBM; leB; MUC5; mucin
NCBI Protein Information	mucin-5AC
UniProt Protein Name	Mucin-5AC
UniProt Gene Name	MUC5AC
UniProt Synonym Gene Names	TBM

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/muc5b-human-elisa-kits/mucin-5-subtype-b/55803>