

Human Mucin-5 Subtype AC (MUC5AC) ELISA Kit | MUC5AC elisa kit

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CATALOG #
AAA331615

REACTIVITY
Human

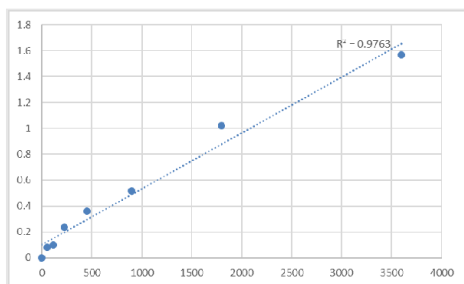
PRODUCT SYNONYMS

Mucin-5 Subtype AC (MUC5AC); Human Mucin-5 Subtype AC (MUC5AC) ELISA Kit; MUC5AC; MUC5; gastric mucin; mucin 5; subtypes A and C; tracheobronchial/gastric; mucin 5AC; tracheobronchial mucin; MUC5AC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Mucin-5 subtype AC (MUC5AC) ELISA Kit has high sensitivity and excellent specificity for detection of Human MUC5AC. No significant cross-reactivity or interference between Human MUC5AC and analogues was observed.
Sequence Length	5762
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Mucin-5 subtype AC (MUC5AC) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for MUC5AC elisa kit	Description: This Human Mucin-5 subtype AC (MUC5AC) ELISA Kit employs a two-site sandwich ELISA to quantitate MUC5AC in samples. An antibody specific for MUC5AC has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MUC5AC present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MUC5AC 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 MUC5AC bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: MUC5AC (Mucin 5AC, Oligomeric Mucus/Gel-Forming) is a Protein Coding gene. Diseases associated with MUC5AC include Gastric Cancer and Pseudomyxoma Peritonei. Among its related pathways are Immune System and HIV Life Cycle. GO annotations related to this gene include extracellular matrix structural constituent. An important paralog of this gene is MUC5B.
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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.