

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

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CATALOG #
AAA331614

REACTIVITY
Human

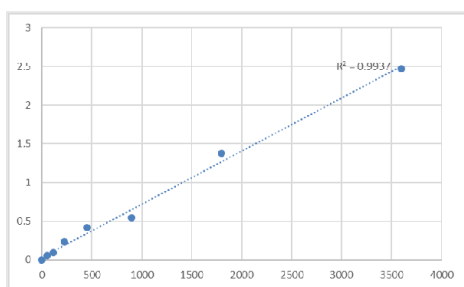
PRODUCT SYNONYMS

Mucin-5 Subtype B (MUC5B); Human Mucin-5 Subtype B (MUC5B) ELISA Kit; MUC5B; 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	Human Mucin-5 subtype B (MUC5B) ELISA Kit has high sensitivity and excellent specificity for detection of Human MUC5B. No significant cross-reactivity or interference between Human MUC5B and analogues was observed.
Sequence Length	5030
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 B (MUC5B) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for MUC5B elisa kit	Description: This Human Mucin-5 subtype B (MUC5B) ELISA Kit employs a two-site sandwich ELISA to quantitate MUC5B in samples. 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. Background: MUC5B encodes a member of the mucin family of proteins, which are highly glycosylated macromolecular components of mucus secretions. This family member is the major gel-forming mucin in mucus. It is a major contributor to the lubricating and viscoelastic properties of whole saliva, normal lung mucus and cervical mucus. MUC5B has been found to be up-regulated in some human diseases, including sinus mucosa of chronic rhinosinusitis (CRS), CRS with nasal polyposis, chronic obstructive pulmonary disease (COPD) and H. pylori-associated gastric disease, and it may be involved in the pathogenesis of these diseases.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	160370004
NCBI GeneID	4586
UniProt Accession #	P98088
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	MUC5; MUC-5AC; LeB; TBM
UniProt Entry Name	MUC5A_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.