

Human Mucin 5B ELISA Kit | MUC5B elisa kit

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CATALOG #
AAA96962

REACTIVITY
Human

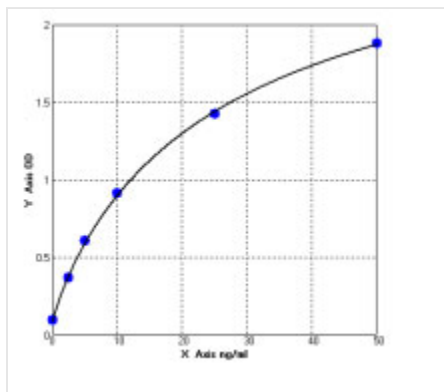
PRODUCT SYNONYMS

Mucin 5B; Human Mucin 5B ELISA Kit; 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. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between MUC5B and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MUC5B elisa kit	Principle of the Assay: MUC5B ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for MUC5B. Standards or samples are then added to the microtiter plate wells and MUC5B if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of MUC5B present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for MUC5B are added to each well to "sandwich" the MUC5B immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain MUC5B and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MUC5B concentration in each sample is interpolated from this standard curve. Intended Uses: This MUC5B ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human MUC5B. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for MUC5B elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	496024777
NCBI Accession #	WP_008749284.1
NCBI GenBank Nucleotide #	WP_008749284.1
Molecular Weight	54,821 Da
NCBI Official Full Name	mucin-5B
UniProt Protein Name	Mucin-5B
UniProt Entry Name	B5GKD3_STRSH

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.