

Mouse Mucin-5B ELISA Kit | MUC5B elisa kit

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CATALOG #
AAA94413

REACTIVITY
Mouse

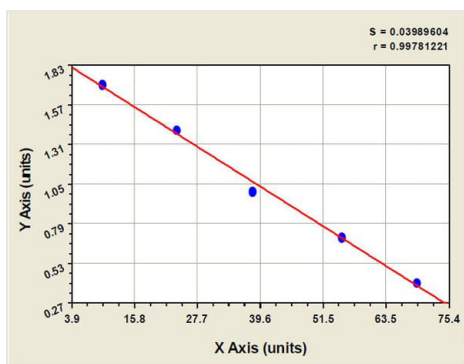
PRODUCT SYNONYMS

Mucin-5B; Mouse Mucin-5B ELISA Kit; MUC5B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This MUC5B ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse MUC5B. This ELISA kit for research use only, not for therapeutic applications!
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 competitive enzyme immunoassay technique utilizing a monoclonal anti-MUC5B antibody and an MUC5B-HRP conjugate. The assay sample and buffer are incubated together with MUC5B-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the MUC5B concentration since MUC5B from samples and MUC5B-HRP conjugate compete for the anti-MUC5B antibody binding site. Since the number of sites is limited, as more sites are occupied by MUC5B from the sample, fewer sites are left to bind MUC5B-HRP conjugate. 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.

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/muc5b-mouse-elisa-kits/mucin-5b/94413>