

Human Mucin 2 ELISA Kit | MUC2 elisa kit

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CATALOG #
AAA94043

REACTIVITY
Human

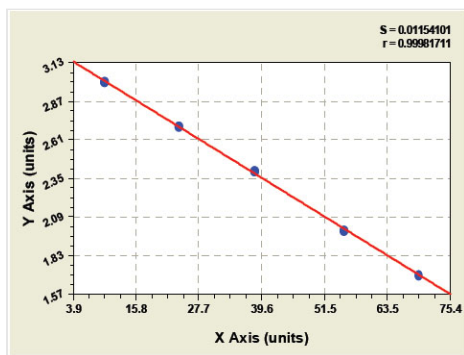
PRODUCT SYNONYMS

Mucin 2; Human Mucin 2 ELISA Kit; MUC2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	2.5-50ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This MUC2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human MUC2. This ELISA kit for research use only, not for therapeutic applications
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Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MUC2 elisa kit	Principle of the Assay: MUC2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-MUC2 antibody and an MUC2-HRP conjugate. The assay sample and buffer are incubated together with MUC2-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 MUC2 concentration since MUC2 from samples and MUC2-HRP conjugate compete for the anti-MUC2 antibody binding site. Since the number of sites is limited, as more sites are occupied by MUC2 from the sample, fewer sites are left to bind MUC2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MUC2 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for MUC2 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	443934758
Molecular Weight	388,031 Da
NCBI Official Full Name	mucin 2
UniProt Protein Name	Mucin 2
UniProt Entry Name	L7XFH1_CHICK

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/muc2-human-elisa-kits/mucin-2/94043>