

Human Mucin 4 ELISA Kit | MUC4 elisa kit

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CATALOG #
AAA93848

REACTIVITY
Human

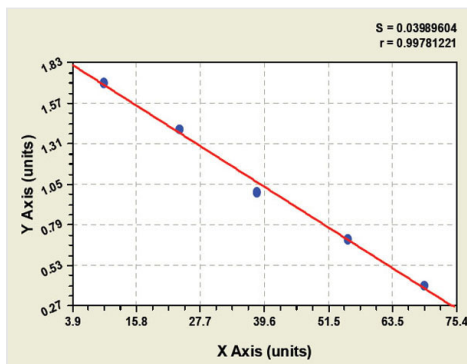
PRODUCT SYNONYMS

Mucin 4; Human Mucin 4 ELISA Kit; MUC4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MUC4 elisa kit

Intended Uses: This MUC4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human MUC4. This ELISA kit for research use only!

Principle of the Assay: MUC4 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-MUC4 antibody and an MUC4-HRP conjugate. The assay sample and buffer are incubated together with MUC4-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 MUC4 concentration since MUC4 from samples and MUC4-HRP conjugate compete for the anti-MUC4 antibody binding site. Since the number of sites is limited, as more sites are occupied by MUC4 from the sample, fewer sites are left to bind MUC4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MUC4 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	3551823
NCBI GeneID	4585
Molecular Weight	206,605 Da
NCBI Official Full Name	mucin 4, partial
NCBI Official Synonym Full Names	mucin 4, cell surface associated
NCBI Official Symbol	MUC4
NCBI Official Synonym Symbols	ASGP; MUC-4; HSA276359
NCBI Protein Information	mucin-4; testis mucin; tracheobronchial mucin; ascites sialoglycoprotein; mucin 4, tracheobronchial; pancreatic adenocarcinoma mucin
UniProt Protein Name	Mucin-4
UniProt Gene Name	MUC4
UniProt Synonym Gene Names	MUC-4; ASGP; ASGP-1; ASGP-2
UniProt Entry Name	MUC4_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.