

Human Mucin-4 ELISA Kit | MUC4 elisa kit

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CATALOG #
AAA102222

REACTIVITY
Human

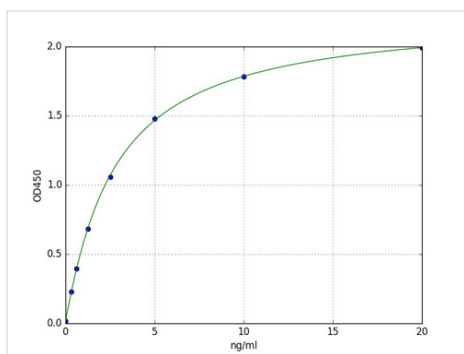
PRODUCT SYNONYMS

Mucin-4; Human Mucin-4 ELISA Kit; MUC4 (Mucin-4)/ASGP/Ascites sialoglycoprotein/mucin 4; cell surface associated/mucin 4; tracheobronchial/Pancreatic adenocarcinoma mucin/Testis mucin/Tracheobronchial mucin; MUC4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	5412
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.313-20ng/ml
Sensitivity	0.188ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a human MUC4 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.313	0.625	1.25	2.5	5	10	20
Y	OD450	0.044	0.221	0.381	0.658	1.066	1.422	1.693	1.977

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MUC4 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-human MUC4 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-human MUC4 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the human MUC4 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of human MUC4 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	257471027
NCBI GeneID	4585
NCBI Accession #	NP_060876.5
NCBI GenBank Nucleotide #	NM_018406.6
Molecular Weight	206,605 Da
NCBI Official Full Name	mucin-4 isoform a
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
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.

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Online datasheet: <https://stage.aaabiotech.com/muc4-human-elisa-kits/mucin-4/102222>