

Human Mucin-2 ELISA Kit | MUC2 elisa kit

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CATALOG #
AAA193598

REACTIVITY
Human

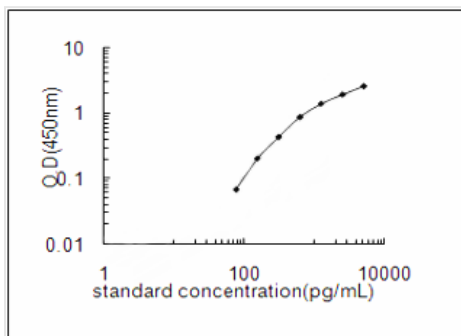
PRODUCT SYNONYMS

Mucin-2; Human Mucin-2 ELISA Kit; MUC-2; Intestinal mucin-2; MUC2; SMUC; MUC2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay recognizes recombinant and natural human MUC-2. No significant cross-reactivity or interference was observed.
Sequence Length	5179
Assay Type	Sandwich
Detection Range	78-5000 pg/mL
Sensitivity	0.054 ng/mL
Intra-Assay CV	<=5.6%
Inter-Assay CV	<=8.1%
Recovery	80%
Preparation and Storage	For long term storage, please store the entire kit at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MUC2 elisa kit	Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of human mucin-2,MUC-2 concentrations in serum, Plasma, tissue homogenates and Cell culture supernates and Other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to MUC-2. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated polyclonal antibody preparation specific for MUC-2 and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain MUC-2, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of MUC-2 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	557129045
NCBI GeneID	4583
NCBI Accession #	NP_002448.3
NCBI GenBank Nucleotide #	NM_002457.3
UniProt Accession #	Q02817; Q14878
Molecular Weight	540,300 Da
NCBI Official Full Name	mucin-2
NCBI Official Synonym Full Names	mucin 2, oligomeric mucus/gel-forming
NCBI Official Symbol	MUC2
NCBI Official Synonym Symbols	MLP; SMUC; MUC-2
NCBI Protein Information	mucin-2
UniProt Protein Name	Mucin-2
UniProt Gene Name	MUC2
UniProt Synonym Gene Names	SMUC; MUC-2
UniProt Entry Name	MUC2_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/muc2-human-elisa-kits/mucin-2/193598>