

Human Mucin 2 ELISA Kit | MUC2 elisa kit

Human Mucin 2 (MUC2) ELISA Kit

CATALOG # AAA55926	REACTIVITY Human
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PRODUCT SYNONYMS

Mucin 2; Human Mucin 2 (MUC2) ELISA Kit; MLP; SMUC; mucin 2|mucin 2; intestinal/tracheal|mucin-like protein; MUC2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human MUC2. No significant cross-reactivity or interference between Human MUC2 and analogues was observed.
Sequence Length	3649
Samples	Serum, plasma, tissue homogenates and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	3.12 ng/mL - 200 ng/mL
Sensitivity	1.04 ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV (%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for MUC2 elisa kit	Intended Uses: For the quantitative detection of Human Mucin 2 (MUC2) concentration in serum, plasma, tissue homogenates and other biological fluids. Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate MUC2 in Human serum, plasma, tissue homogenates. An antibody specific for MUC2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MUC2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MUC2 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of MUC2 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	2506877
NCBI GeneID	4583
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

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://www.aaabiotech.com/muc2-human-elisa-kits/mucin-2/55926>