

Human Mucin3 (MUC3) ELISA Kit | MUC3 elisa kit

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CATALOG #
AAA331623

REACTIVITY
Human

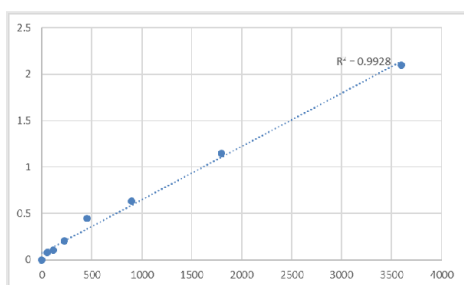
PRODUCT SYNONYMS

Mucin3 (MUC3); Human Mucin3 (MUC3) ELISA Kit; MUC17; MUC3; membrane mucin MUC17; mucin 17; secreted mucin MUC17; small intestinal mucin MUC3; MUC3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Mucin3 (MUC3) ELISA Kit has high sensitivity and excellent specificity for detection of Human MUC17. No significant cross-reactivity or interference between Human MUC17 and analogues was observed.
Sequence Length	4493
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Mucin3 (MUC3) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for MUC3 elisa kit	Description: This Human Mucin3 (MUC3) ELISA Kit employs a two-site sandwich ELISA to quantitate MUC17 in samples. An antibody specific for MUC17 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MUC17 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MUC17 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 MUC17 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Mucin3 encoded by MUC3 is a membrane-bound mucin that provides protection to gut epithelial cells. Mucin3 contains about 60 tandem repeats, with each repeat being around 60 aa. N-glycosylation enables the Mucin3 to localize on the cell surface, while the C-terminus interacts with the scaffold protein PDZ domain containing 1 (PDZK1). Two transcript variants, one protein-coding and the other non-protein coding, have been found for MUC3.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	91982772
NCBI GeneID	140453
NCBI Accession #	NP_001035194.1
NCBI GenBank Nucleotide #	NP_001035194.1
UniProt Accession #	Q685J3
NCBI Official Full Name	mucin-17
NCBI Official Synonym Full Names	mucin 17, cell surface associated
NCBI Official Symbol	MUC17
NCBI Official Synonym Symbols	MUC3; MUC-3; MUC-17
NCBI Protein Information	mucin-17
UniProt Protein Name	Mucin-17
UniProt Gene Name	MUC17
UniProt Synonym Gene Names	MUC3
UniProt Entry Name	MUC17_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/human-elisa-kits/mucin3-muc3/331623>