

Human Mucin 2 (MUC2) ELISA Kit | MUC2 elisa kit

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CATALOG #
AAA331620

REACTIVITY
Human

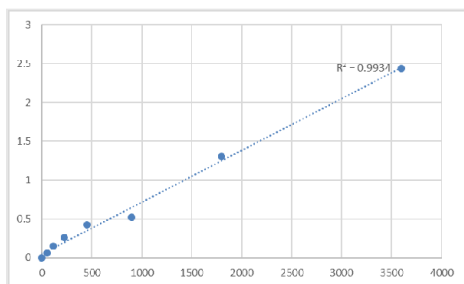
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Mucin 2 (MUC2) ELISA Kit 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	5179
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 Mucin 2 (MUC2) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for MUC2 elisa kit	Description: This Human Mucin 2 (MUC2) ELISA Kit employs a two-site sandwich ELISA to quantitate MUC2 in samples. 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. Background: MUC2 encodes a member of the mucin protein family. Mucins are high molecular weight glycoproteins produced by many epithelial tissues. The protein encoded by MUC2 is secreted and forms an insoluble mucous barrier that protects the gut lumen. The protein polymerizes into a gel of which 80% is composed of oligosaccharide side chains by weight. The protein features a central domain containing tandem repeats rich in threonine and proline that varies between 50 and 115 copies in different individuals. Downregulation of MUC2 has been observed in patients with Crohn disease and ulcerative colitis.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	116284392
NCBI Accession #	NP_002448.2
NCBI GenBank Nucleotide #	NP_002448.2
UniProt Accession #	Q02817
NCBI Official Full Name	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/human-elisa-kits/mucin-2-muc2/331620>