

Human Mucin-12 (MUC12) ELISA Kit | MUC12 elisa kit

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CATALOG #
AAA331626

REACTIVITY
Human

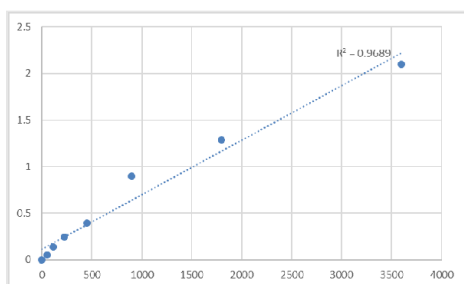
PRODUCT SYNONYMS

Mucin-12 (MUC12); Human Mucin-12 (MUC12) ELISA Kit; MUC12; MUC11; mucin 11; mucin 12; MUC12 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Mucin-12 (MUC12) ELISA Kit has high sensitivity and excellent specificity for detection of Human MUC12. No significant cross-reactivity or interference between Human MUC12 and analogues was observed.
Sequence Length	5335
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-12 (MUC12) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for MUC12 elisa kit	Description: This Human Mucin-12 (MUC12) ELISA Kit employs a two-site sandwich ELISA to quantitate MUC12 in samples. An antibody specific for MUC12 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MUC12 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MUC12 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 MUC12 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: MUC12 encodes an integral membrane glycoprotein that is a member of the mucin family. Mucins are O-glycosylated proteins that play an essential role in forming protective mucous barriers on epithelial surfaces and have been implicated in epithelial renewal and differentiation. These glycoproteins also play a role in intracellular signaling. Mucin-12 is expressed on the apical membrane surface of epithelial cells that line the mucosal surfaces of many different tissues including the colon, pancreas, prostate, and uterus. The expression of this gene is downregulated in colorectal cancer tissue.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	256600257
NCBI GeneID	10071
NCBI Accession #	NP_001157934.1
NCBI GenBank Nucleotide #	NP_001157934.1
UniProt Accession #	Q9UKN1
NCBI Official Full Name	mucin-12
NCBI Official Synonym Full Names	mucin 12, cell surface associated
NCBI Official Symbol	MUC12
NCBI Official Synonym Symbols	MUC11; MUC-11; MUC-12
NCBI Protein Information	mucin-12
UniProt Protein Name	Mucin-12
UniProt Gene Name	MUC12
UniProt Synonym Gene Names	MUC11
UniProt Entry Name	MUC12_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.