

Human Mucin-4 (MUC4) ELISA Kit | MUC4 elisa kit

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CATALOG #
AAA331616

REACTIVITY
Human

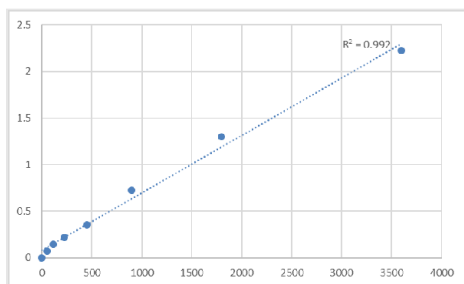
PRODUCT SYNONYMS

Mucin-4 (MUC4); Human Mucin-4 (MUC4) ELISA Kit; MUC4; HSA276359; mucin 4; tracheobronchial; MUC4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Mucin-4 (MUC4) ELISA Kit has high sensitivity and excellent specificity for detection of Human MUC4. No significant cross-reactivity or interference between Human MUC4 and analogues was observed.
Sequence Length	5412
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-4 (MUC4) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for MUC4 elisa kit	Description: This Human Mucin-4 (MUC4) ELISA Kit employs a two-site sandwich ELISA to quantitate MUC4 in samples. An antibody specific for MUC4 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MUC4 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MUC4 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 MUC4 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: The major constituents of mucus, the viscous secretion that covers epithelial surfaces such as those in the trachea, colon, and cervix, are highly glycosylated proteins called mucins. These glycoproteins play important roles in the protection of the epithelial cells and have been implicated in epithelial renewal and differentiation. MUC4 encodes an integral membrane glycoprotein found on the cell surface, although secreted isoforms may exist. At least two dozen transcript variants of MUC4 have been found, although for many of them the full-length transcript has not been determined or they are found only in tumor tissues. MUC4 contains a region in the coding sequence which has a variable number (>100) of 48 nt tandem repeats.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	257471027
NCBI GeneID	4585
NCBI Accession #	NP_060876.5
NCBI GenBank Nucleotide #	NP_060876.5
UniProt Accession #	Q99102
NCBI Official Full Name	mucin-4 isoform a
NCBI Official Synonym Full Names	mucin 4, cell surface associated
NCBI Official Symbol	MUC4
NCBI Official Synonym Symbols	ASGP; MUC-4; HSA276359
NCBI Protein Information	mucin-4
UniProt Protein Name	Mucin-4
UniProt Gene Name	MUC4
UniProt Synonym Gene Names	MUC-4; ASGP; ASGP-1; ASGP-2
UniProt Entry Name	MUC4_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.