

Human Mucin-7 (MUC7) ELISA Kit | MUC7 elisa kit

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CATALOG #
AAA331611

REACTIVITY
Human

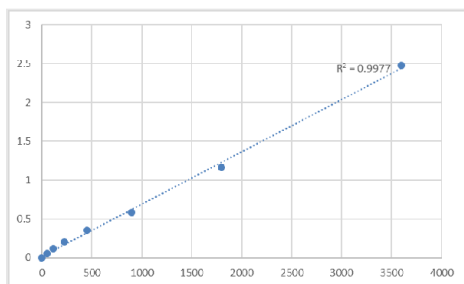
PRODUCT SYNONYMS

Mucin-7 (MUC7); Human Mucin-7 (MUC7) ELISA Kit; MUC7; DKFZp686J03256; FLJ27047; MG2; MGC34772; mucin 7; salivary; MUC7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Mucin-7 (MUC7) ELISA Kit has high sensitivity and excellent specificity for detection of Human MUC7. No significant cross-reactivity or interference between Human MUC7 and analogues was observed.
Sequence Length	377
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-7 (MUC7) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for MUC7 elisa kit	Description: This Human Mucin-7 (MUC7) ELISA Kit employs a two-site sandwich ELISA to quantitate MUC7 in samples. An antibody specific for MUC7 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MUC7 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MUC7 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 MUC7 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: MUC7 encodes a small salivary mucin, which is thought to play a role in facilitating the clearance of bacteria in the oral cavity and to aid in mastication, speech, and swallowing. The central domain of this glycoprotein contains tandem repeats, each composed of 23 amino acids. This antimicrobial protein has antibacterial and antifungal activity. The most common allele contains 6 repeats, and some alleles may be associated with susceptibility to asthma. Alternatively spliced transcript variants with different 5' UTR, but encoding the same protein, have been found for MUC7.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	222418649
NCBI GeneID	4589
NCBI Accession #	NP_001138479.1
NCBI GenBank Nucleotide #	NP_001138479.1
UniProt Accession #	Q8TAX7
NCBI Official Full Name	mucin-7
NCBI Official Synonym Full Names	mucin 7, secreted
NCBI Official Symbol	MUC7
NCBI Official Synonym Symbols	MG2
NCBI Protein Information	mucin-7
UniProt Protein Name	Mucin-7
UniProt Gene Name	MUC7
UniProt Synonym Gene Names	MG2; MUC-7
UniProt Entry Name	MUC7_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.