

Human Mucin-21 (MUC21) ELISA Kit | MUC21 elisa kit

Human Mucin-21 (MUC21) ELISA Kit

CATALOG #
AAA331618

REACTIVITY
Human

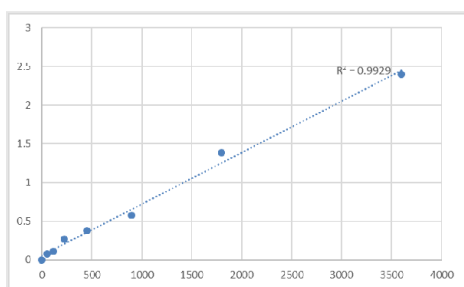
PRODUCT SYNONYMS

Mucin-21 (MUC21); Human Mucin-21 (MUC21) ELISA Kit; MUC21; DAAP-22315.2; C6orf205; KMQK697; MGC125609; bCX31G15.2; epiglycanin; mucin 21; MUC21 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Mucin-21 (MUC21) ELISA Kit has high sensitivity and excellent specificity for detection of Human MUC21. No significant cross-reactivity or interference between Human MUC21 and analogues was observed.
Sequence Length	566
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-21 (MUC21) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for MUC21 elisa kit	Description: This Human Mucin-21 (MUC21) ELISA Kit employs a two-site sandwich ELISA to quantitate MUC21 in samples. An antibody specific for MUC21 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MUC21 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MUC21 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 MUC21 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: MUC21 encodes a large membrane-bound glycoprotein which 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. These proteins also play a role in intracellular signaling. The encoded protein contains an N-terminal signal sequence, an extracellular mucin domain, a stem domain, a transmembrane domain, and a C-terminal cytoplasmic tail domain. The mucin domain contains O-glycosylation sites and is polymorphic with isoforms containing a variable number of nonidentical proline-, threonine-, and serine-rich tandem repeats of 15 amino acids each. The aberrant expression of MUC21 is associated with lung adenocarcinoma.
---	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	161016767
NCBI GeneID	394263
NCBI Accession #	NP_001010909.2
NCBI GenBank Nucleotide #	NP_001010909.2
UniProt Accession #	Q5SSG8
NCBI Official Full Name	mucin-21 isoform 1
NCBI Official Synonym Full Names	mucin 21, cell surface associated
NCBI Official Symbol	MUC21
NCBI Official Synonym Symbols	MUC-21; KMQK697; C6orf205
NCBI Protein Information	mucin-21
UniProt Protein Name	Mucin-21
UniProt Gene Name	MUC21
UniProt Synonym Gene Names	C6orf205; MUC-21

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.