

Human Mucin 3 (MUC3) ELISA Kit | MUC3 elisa kit

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CATALOG #
AAA66711

REACTIVITY
Human

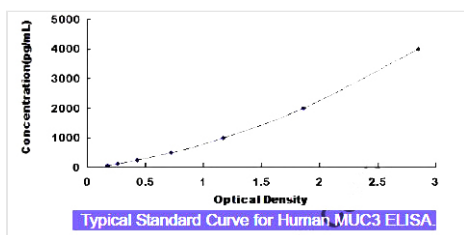
PRODUCT SYNONYMS

Mucin 3 (MUC3); Human Mucin 3 (MUC3) ELISA Kit; MUC3A; Mucin 3A; Intestinal; MUC3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of MS4A1. No significant cross-reactivity or interference between MS4A1 and analogues was observed.
Sequence Length	3323
Samples	Human Serum, Plasma, Tissue Homogenates Or Other Biological Fluids
Assay Type	Quantitative Sandwich
Detection Range	1.25-80ng/mL
Sensitivity	0.45ng/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level MS4A1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level MS4A1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MUC3 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of MS4A1 in human serum, plasma, tissue homogenates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to MS4A1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to MS4A1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain MS4A1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of MS4A1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	628601833
NCBI GeneID	4584
NCBI Accession #	NP_005951.1
NCBI GenBank Nucleotide #	NM_005960.1
UniProt Accession #	Q02505; O14650; O14651; O43418; O43421; Q02506; Q6W763; Q9H3Q7; Q9UKW9; Q9UN93; Q9UN94; A6NP22
Molecular Weight	338,839 Da
NCBI Official Full Name	mucin-3A
NCBI Official Synonym Full Names	mucin 3A, cell surface associated
NCBI Official Symbol	MUC3A
NCBI Official Synonym Symbols	MUC3; MUC-3A
NCBI Protein Information	mucin-3A
UniProt Protein Name	Mucin-3A
UniProt Gene Name	MUC3A
UniProt Synonym Gene Names	MUC-3ACurated

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-3-muc3/66711>