

Human Mucin-1 ELISA Kit | MUC-1 elisa kit

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CATALOG #
AAA17464

REACTIVITY
Human

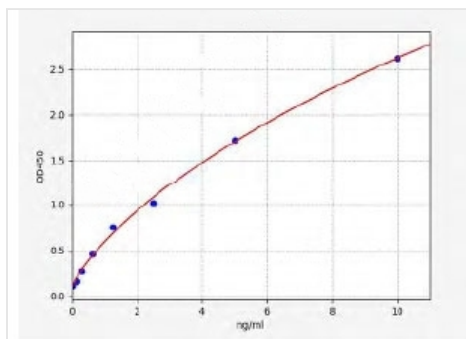
PRODUCT SYNONYMS

Mucin-1; Human Mucin-1 ELISA Kit; MUC-1/CD227/Episialin/H23AG/KL-6/Mucin-1/PEM/PEMT/Breast carcinoma-associated antigen DF3/Carcinoma-associated mucin/CD227/CD227 antigen/DF3 antigen/EMA/episialin/H23 antigen/H23AG/KL-6/MAM6/MUC1/ZD/mucin 1; cell surface associated/mucin 1; transmembrane/mucin-1/Peanut-reactive urinary mucin/PEMMUC-1/SEC/PEMT/Polymorphic epithelial mucin/PUMMUC-1/X/tumor associated epithelial mucin/Tumor-associated epithelial membrane antigen/Tumor-associated mucin; MUC-1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of MUC-1. No significant cross-reactivity or interference between MUC-1 and analogues was observed.
Sequence Length	484
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	15.625-1000pg/ml(1ng/ml=150uIU/ml)
Sensitivity	9.375pg/ml
Intra-assay Precision	CV<8%
Inter-assay Precision	CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MUC-1 elisa kit	Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Capture antibody was pre-coated onto 96-well plates. And the biotin conjugated antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the target amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of target can be calculated.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	324120958
NCBI GeneID	4582
NCBI Accession #	NP_001191215.1
NCBI GenBank Nucleotide #	NM_001204286.1
Molecular Weight	28,297 Da
NCBI Official Full Name	mucin-1 isoform 10
NCBI Official Synonym Full Names	mucin 1, cell surface associated
NCBI Official Symbol	MUC1
NCBI Official Synonym Symbols	EMA; MCD; PEM; PUM; KL-6; MAM6; MCKD; PEMT; CD227; H23AG; MCKD1; MUC-1; ADMCKD; ADMCKD1; CA 15-3; MUC-1/X; MUC1/ZD; MUC-1/SEC
NCBI Protein Information	mucin-1
UniProt Protein Name	Mucin-1
UniProt Gene Name	MUC1
UniProt Synonym Gene Names	PUM; MUC-1; CA 15-3; KL-6; PUM; PEM; EMA; MUC1-NT; MUC1-alpha; MUC1-beta
UniProt Entry Name	MUC1_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.