

Rat Mucin-1, MUC1 ELISA Kit | MUC1 elisa kit

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CATALOG #
AAA244330

REACTIVITY
Rat

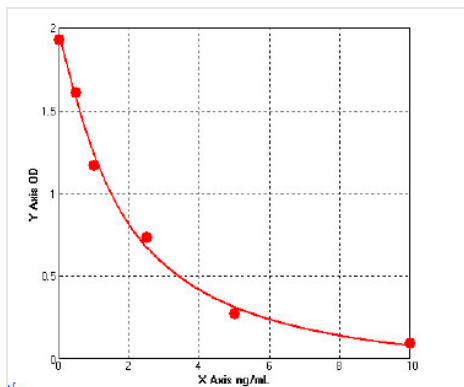
PRODUCT SYNONYMS

Mucin-1; MUC1; Rat Mucin-1; MUC1 ELISA Kit; MUC1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of MUC1. No significant cross-reactivity or interference between MUC1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between MUC1 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MUC1 elisa kit	Intended Uses: This MUC1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat MUC1. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: MUC1 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-MUC1 antibody and an MUC1-HRP conjugate. The assay sample and buffer are incubated together with MUC1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the MUC1 concentration since MUC1 from samples and MUC1-HRP conjugate compete for the anti-MUC1 antibody binding site. Since the number of sites is limited, as more sites are occupied by MUC1 from the sample, fewer sites are left to bind MUC1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MUC1 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for MUC1 elisa kit	Cancer

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; episialin; DF3 antigen; H23 antigen; cancer antigen 15-3; krebs von den Lungen-6; mucin 1, transmembrane; carcinoma-associated mucin; polymorphic epithelial mucin; peanut-reactive urinary mucin; tumor associated epithelial mucin; breast carcinoma-associated antigen DF3; tumor-associated epithelial membrane antigen; Medullary cystic kidney disease, autosomal dominant
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.