

Rat Mucin-7 ELISA Kit | MUC7 elisa kit

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CATALOG #
AAA87958

REACTIVITY
Rat

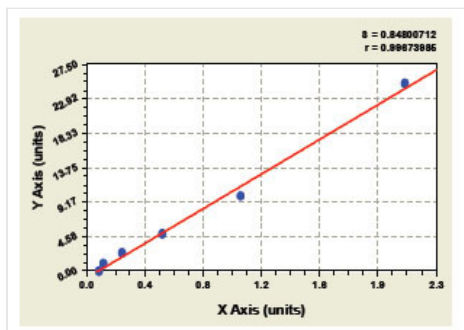
PRODUCT SYNONYMS

Mucin-7; Rat Mucin-7 ELISA Kit; MUC7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/ml
Intended Uses	This MUC7 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat MUC7. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MUC7 elisa kit

Principle of the Assay: MUC7 ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for MUC7. Standards or samples are then added to the microtiter plate wells and MUC7 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of MUC7 present in the sample, a standardized preparation of horseradish peroxidase (HRP) -conjugated polyclonal antibody, specific for MUC7 are added to each well to "sandwich" the MUC7 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain MUC7 and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MUC7 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	222418649
NCBI GeneID	4589
NCBI Accession #	NP_001138479.1
NCBI GenBank Nucleotide #	NM_001145007.1
Molecular Weight	39,159 Da
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; MUC-7; apo-MG2; salivary mucin-7; mucin 7, salivary
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.