

Rat MUC2 ELISA Kit | MUC2 elisa kit

Rat MUC2 (Mucin 2) ELISA Kit

CATALOG #
AAA165703

REACTIVITY
Rat

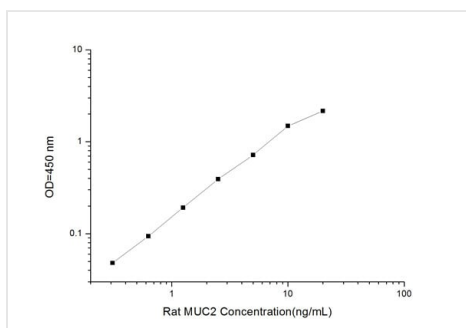
PRODUCT SYNONYMS

MUC2; Rat MUC2 (Mucin 2) ELISA Kit; MUC2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This kit recognizes natural and recombinant Rat MUC2. No significant cross-reactivity or interference between Rat MUC2 and analogues was observed.
Sequence Length	5179
Samples	Serum, Plasma, Biological Fluids
Assay Type	Sandwich
Detection Range	0.313-20ng/mL
Sensitivity	Min: 0.188ng/mL; Max: 20ng/mL
Intended Uses	This ELISA kit applies to the in vitro quantitative determination of Rat MUC2 concentrations in serum, plasma and other biological fluids.
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MUC2 elisa kit	Principle of the assay: This ELISA kit uses Sandwich-ELISA as the method. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to MUC2. Standards or samples are added to the appropriate micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for MUC2 and Avidin-Horseradish Peroxidase (HRP) conjugate is added to each micro plate well successively and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain MUC2, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The OD value is proportional to the concentration of MUC2. You can calculate the concentration of MUC2 in the samples by comparing the OD of the samples to the standard curve. FOR
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NCBI AND UNIPROT INFORMATION

NCBI GI #	557129045
NCBI GeneID	4583
NCBI Accession #	NP_002448.3
NCBI GenBank Nucleotide #	NM_002457.3
UniProt Accession #	Q02817; Q14878
Molecular Weight	540,300 Da
NCBI Official Full Name	mucin-2
NCBI Official Synonym Full Names	mucin 2, oligomeric mucus/gel-forming
NCBI Official Symbol	MUC2
NCBI Official Synonym Symbols	MLP; SMUC; MUC-2
NCBI Protein Information	mucin-2; intestinal mucin-2; mucin 2, intestinal/tracheal; mucin-like protein
UniProt Protein Name	Mucin-2
UniProt Gene Name	MUC2
UniProt Synonym Gene Names	SMUC; MUC-2
UniProt Entry Name	MUC2_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.

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Online datasheet: <https://www.aaabiotech.com/rat-elisa-kits/muc2/165703>