

Canine Mucin-7 ELISA Kit | MUC7 elisa kit

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CATALOG #
AAA93692

REACTIVITY
Canine

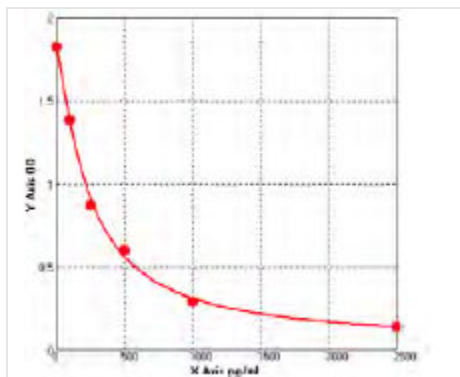
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Canine
Specificity	This assay has high sensitivity and excellent specificity for detection of MUC7. No significant cross-reactivity or interference between MUC7 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between MUC7 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	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MUC7 elisa kit	Intended Uses: This MUC7 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine MUC7. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: MUC7 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-MUC7 antibody and an MUC7-HRP conjugate. The assay sample and buffer are incubated together with MUC7-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 MUC7 concentration since MUC7 from samples and MUC7-HRP conjugate compete for the anti-MUC7 antibody binding site. Since the number of sites is limited, as more sites are occupied by MUC7 from the sample, fewer sites are left to bind MUC7-HRP conjugate. 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.
Product Categories/Family for MUC7 elisa kit	Signal Transduction

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.

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Online datasheet: <https://stage.aaabiotech.com/muc7-canine-elisa-kits/mucin-7/93692>