

Canine Mucin 2 ELISA Kit | MUC2 elisa kit

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CATALOG #
AAA94845

REACTIVITY
Canine

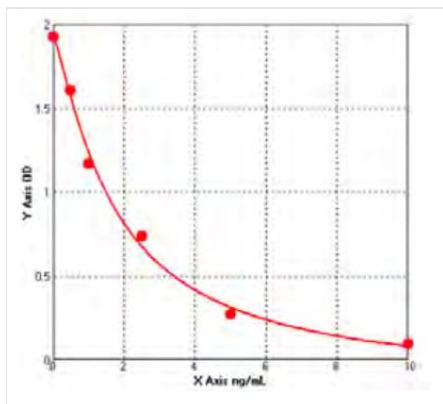
PRODUCT SYNONYMS

Mucin 2; Canine Mucin 2 ELISA Kit; MUC2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Specificity	This assay has high sensitivity and excellent specificity for detection of MUC2. No significant cross-reactivity or interference between MUC2 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between MUC2 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
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 MUC2 elisa kit	Principle of the Assay: MUC2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-MUC2 antibody and an MUC2-HRP conjugate. The assay sample and buffer are incubated together with MUC2-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 MUC2 concentration since MUC2 from samples and MUC2-HRP conjugate compete for the anti-MUC2 antibody binding site. Since the number of sites is limited, as more sites are occupied by MUC2 from the sample, fewer sites are left to bind MUC2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MUC2 concentration in each sample is interpolated from this standard curve. Intended Uses: This MUC2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of CanineMUC2. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for MUC2 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	443934758
Molecular Weight	388,031 Da
NCBI Official Full Name	mucin 2
UniProt Protein Name	Mucin 2
UniProt Entry Name	L7XFH1_CHICK

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.