

Canine alpha2-Macroglobulin ELISA Kit | alpha2-MG elisa kit

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CATALOG #
AAA16816

REACTIVITY
Canine

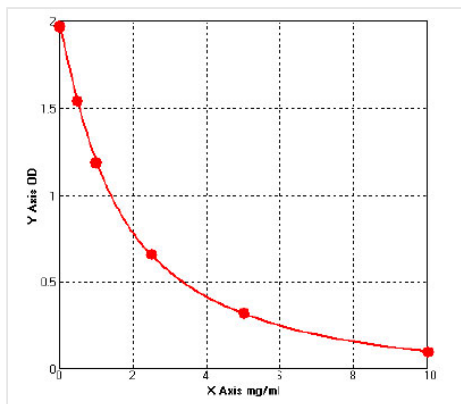
PRODUCT SYNONYMS

alpha2-Macroglobulin; Canine alpha2-Macroglobulin ELISA Kit; Canine a2-Macroglobulin ELISA Kit; alpha2-MG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Specificity	This assay has high sensitivity and excellent specificity for detection of alpha2MG. No significant cross-reactivity or interference between alpha2MG and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between alpha2MG 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 mg/ml
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for alpha2-MG elisa kit	Intended Uses: This alpha2MG ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Caninealpha2MG. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: alpha2MG ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-alpha2MG antibody and an alpha2MG-HRP conjugate. The assay sample and buffer are incubated together with alpha2MG-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 alpha2MG concentration since alpha2MG from samples and alpha2MG-HRP conjugate compete for the anti-alpha2MG antibody binding site. Since the number of sites is limited, as more sites are occupied by alpha2MG from the sample, fewer sites are left to bind alpha2MG-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The alpha2MG concentration in each sample is interpolated from this standard curve.
Product Categories/Family for alpha2-MG elisa kit	Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	825615
NCBI GeneID	2
UniProt Accession #	P01023; Q13677; Q59F47; Q5QTS0; Q68DN2; Q6PIY3; Q6PN97
Molecular Weight	163,291 Da
NCBI Official Full Name	alpha2-macroglobulin, partial
NCBI Official Synonym Full Names	alpha-2-macroglobulin
NCBI Official Symbol	A2M
NCBI Official Synonym Symbols	A2MD; CPAMD5; FWP007; S863-7
NCBI Protein Information	alpha-2-macroglobulin; alpha-2-M; C3 and PZP-like alpha-2-macroglobulin domain-containing protein 5
UniProt Protein Name	Alpha-2-macroglobulin
UniProt Gene Name	A2M
UniProt Synonym Gene Names	CPAMD5; FWP007; Alpha-2-M
UniProt Entry Name	A2MG_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.