

Canine alpha1-Microglobulin ELISA Kit | alpha1-MG elisa kit

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CATALOG #
AAA92014

REACTIVITY
Canine

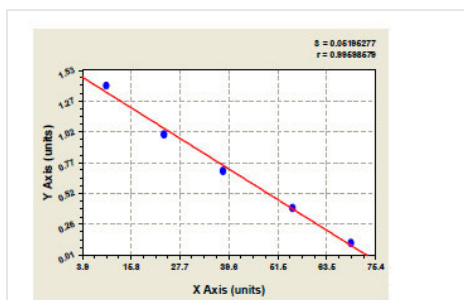
PRODUCT SYNONYMS

alpha1-Microglobulin; Canine alpha1-Microglobulin ELISA Kit; Canine a1-Microglobulin ELISA Kit; alpha1-MG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 mg/L.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



ADDITIONAL INFORMATION

Related Product Information for alpha1-MG elisa kit

Intended Uses||This A1M ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine A1M. This ELISA kit for research use only!

Principle of the Assay: A1M ELISA kit applies the competitive enzyme immunoassay technique utilizing a Polyclonal anti-A1M antibody and an A1M-HRP conjugate. The assay sample and buffer are incubated together with A1M-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 A1M concentration since A1M from samples and A1M-HRP conjugate compete for the anti-A1M antibody binding site. Since the number of sites is limited, as more sites are occupied by A1M from the sample, fewer sites are left to bind A1M-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The A1M concentration in each sample is interpolated from this standard curve.

Product Categories/Family for alpha1-MG elisa kit

Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	825614
NCBI GeneID	259
UniProt Accession #	P02760; P00977; P02759; P78491; Q2TU33; Q5TBD7; Q9UC58; Q9UDI8
Molecular Weight	38,999 Da
NCBI Official Full Name	alpha1-microglobulin
NCBI Official Synonym Full Names	alpha-1-microglobulin/bikunin precursor
NCBI Official Symbol	AMBP
NCBI Official Synonym Symbols	A1M; HCP; ITI; UTI; EDC1; HI30; ITIL; IATIL; ITILC
NCBI Protein Information	protein AMBP; bikunin; uristatin; protein HC; trypstatin; uronic-acid-rich protein; growth-inhibiting protein 19; inter-alpha-trypsin inhibitor light chain; complex-forming glycoprotein heterogeneous in charge
UniProt Protein Name	Protein AMBP
UniProt Gene Name	AMBP
UniProt Synonym Gene Names	HCP; ITIL; Protein HC; ITI-LC
UniProt Entry Name	AMBP_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/alpha1-mg-canine-elisa-kits/alpha1-microglobulin/92014>