

Canine a1-microglobulin ELISA Kit | A1-MG elisa kit

Canine a1-microglobulin ELISA Kit

CATALOG #
AAA92030

REACTIVITY
Canine

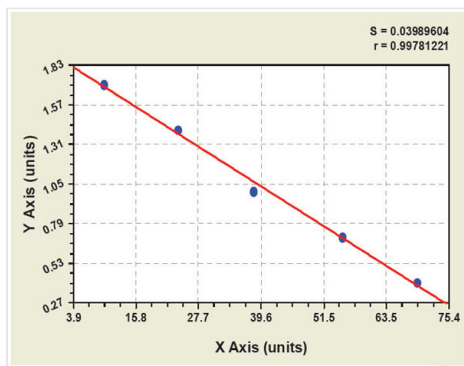
PRODUCT SYNONYMS

a1-microglobulin; Canine a1-microglobulin ELISA Kit; A1-MG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	10-250ng/mL
Sensitivity	1.0ng/mL
Intended Uses	This ?1-MG ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine ?1-MG. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for A1-MG elisa kit

Principle of the assay: ?1-MG ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-?1-MG antibody and an ?1-MG-HRP conjugate. The assay sample and buffer are incubated together with ?1-MG-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 ?1-MG concentration since ?1-MG from samples and ?1-MG-HRP conjugate compete for the anti-?1-MG antibody binding site. Since the number of sites is limited, as more sites are occupied by ?1-MG from the sample, fewer sites are left to bind ?1-MG-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ?1-MG concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	579676
NCBI GeneID	259
UniProt Accession #	P02760; P00977; P02759; P78491; Q2TU33; Q5TBD7; Q9UC58; Q9UDI8
Molecular Weight	38,999 Da
NCBI Official Full Name	alpha-1-microglobulin, partial
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.