

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

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CATALOG #
AAA90371

REACTIVITY
Bovine

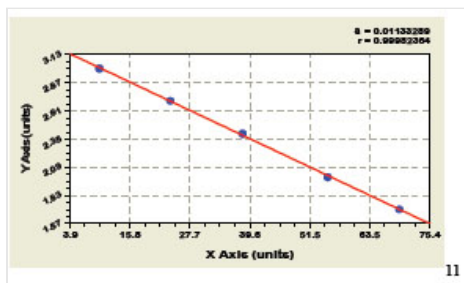
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	50-1000ng/ml
Sensitivity	1.0ng/ml
Intended Uses	This alpha2MG ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine alpha2MG. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



ADDITIONAL INFORMATION

Related Product Information for alpha2-MG elisa kit

Principle of the assay: alpha2MG ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal 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.

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Online datasheet: <https://stage.aaabiotech.com/alpha2-mg-bovine-ovine-elisa-kits/alpha2-macroglobulin/90371>