

Mouse alpha2 Macroglobulin precursor ELISA Kit | Pre-alpha2 MG elisa kit

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CATALOG #
AAA82082

REACTIVITY
Mouse

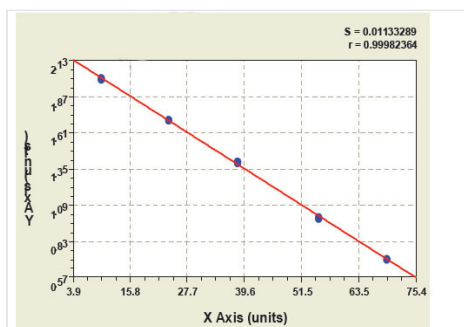
PRODUCT SYNONYMS

alpha2 Macroglobulin precursor; Mouse alpha2 Macroglobulin precursor ELISA Kit; Mouse a2 Macroglobulin precursor ELISA Kit; Pre-alpha2 MG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	5.0-100ug/mL
Sensitivity	1.0ug/mL
Intended Uses	This PRE-alpha2 MG ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of mouse PRE-alpha2 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 Pre-alpha2 MG elisa kit

Principle of the Assay: PRE-alpha2 MG ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-PRE-alpha2 MG antibody and an PRE-alpha2 MG-HRP conjugate. The assay sample and buffer are incubated together with PRE-alpha2 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 PRE-alpha2 MG concentration since PRE-alpha2 MG from samples and PRE-alpha2 MG-HRP conjugate compete for the anti-PRE-alpha2 MG antibody binding site. Since the number of sites is limited, as more sites are occupied by PRE-alpha2 MG from the sample, fewer sites are left to bind PRE-alpha2 MG-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PRE-alpha2 MG concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	66932947
NCBI GeneID	2
NCBI Accession #	NP_000005.2
NCBI GenBank Nucleotide #	NM_000014.4
Molecular Weight	163,291 Da
NCBI Official Full Name	alpha-2-macroglobulin
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/pre-alpha2-mg-mouse-elisa-kits/alpha2-macroglobulin-precursor/82082>