

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

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CATALOG #
AAA90555

REACTIVITY
Mouse

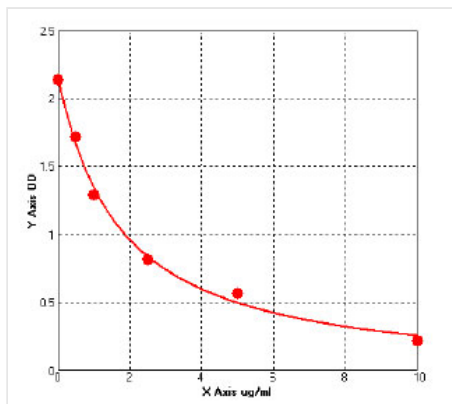
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of alpha1-MG. No significant cross-reactivity or interference between alpha1-MG and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between alpha1-MG and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ug/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for alpha1-MG elisa kit	Principle of the Assay: alpha1-MG ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-alpha1-MG antibody and an alpha1-MG-HRP conjugate. The assay sample and buffer are incubated together with alpha1-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 alpha1-MG concentration since alpha 1-MG from samples and alpha1-MG-HRP conjugate compete for the anti-alpha1-MG antibody binding site. Since the number of sites is limited, as more sites are occupied by alpha1-MG from the sample, fewer sites are left to bind alpha1-MG-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The alpha1-MG concentration in each sample is interpolated from this standard curve. Intended Uses: This alpha1-MG ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse alpha1-MG. This ELISA kit for research use only, not for therapeutic or test applications!
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-mouse-elisa-kits/alpha1-microglobulin/90555>