

Human Alpha 1 Microglobulin ELISA Kit | Alpha 1 MG elisa kit

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CATALOG #
AAA83271

REACTIVITY
Human

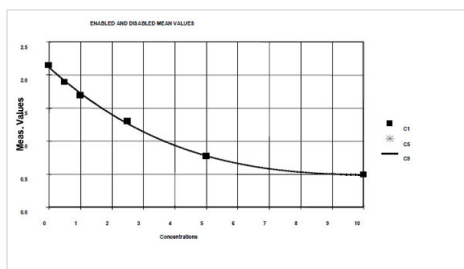
PRODUCT SYNONYMS

Alpha 1 Microglobulin; Human Alpha 1 Microglobulin ELISA Kit; Alpha 1 MG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Cell culture fluid & body fluid & tissue homogenate Serum or blood plasma
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Alpha 1 MG elisa kit

For Samples: Cell culture fluid & body fluid & tissue homogenate Serum or blood plasma

Intended Uses: This A1-MG ELISA kit is intended for laboratory research use only. The stop solution changes the color from blue to yellow and the intensity of the color is measured at 450 nm using a spectrophotometer. In order to measure the concentration of A1-MG in the sample, this A1-MG ELISA Kit includes a set of calibration standards. The calibration standards are assayed at the same time as the samples and allow the operator to produce a standard curve of Optical Density versus A1-MG concentration. The concentration of in the samples is then determined by comparing the O.D. of the samples to the standard curve.

Principle of the Assay: The coated well immunoenzymatic assay for the quantitative measurement of A1-MG utilizes a multiclonal anti-A1-MG antibody and an A1-MG-HRP conjugate. The assay sample and buffer are incubated together with A1-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 A1-MG concentration since A1-MG from samples and A1-MG-HRP conjugate compete for the anti-A1-MG antibody binding site. Since the number of sites is limited, as more sites are occupied by A1-MG from the sample, fewer sites are left to bind A1-MG-HRP conjugate. Standards of known A1-MG concentrations are run concurrently with the samples being assayed and a standard curve is plotted relating the intensity of the color (Optical Density) to the concentration of A1-MG. The A1-MG concentration in each sample is interpolated from this standard curve.

Product Categories/Family for Alpha 1 MG elisa kit

[Cardiovascular](#)

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.

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Online datasheet: <https://stage.aaabiotech.com/alpha-1-mg-human-elisa-kits/alpha-1-microglobulin/83271>