

Rabbit alpha2-macroglobulin ELISA Kit | alpha2-MG elisa kit

Rabbit alpha2-macroglobulin ELISA Kit

CATALOG #
AAA86734

REACTIVITY
Rabbit

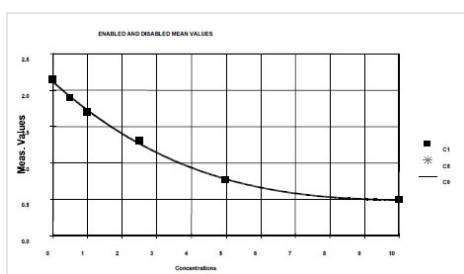
PRODUCT SYNONYMS

alpha2-macroglobulin; Rabbit alpha2-macroglobulin ELISA Kit; a2-macroglobulin; alpha2-macroglobulin (Rabbit); alpha2-MG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rabbit
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 alpha2-MG elisa kit

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

Intended Uses: This A2-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 A2-MG in the sample, this A2-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 A2-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 A2-MG utilizes a monoclonal anti-A2-MG antibody and an A2-MG-HRP conjugate. The assay sample and buffer are incubated together with A2-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 A2-MG concentration since A2-MG from samples and A2-MG-HRP conjugate compete for the anti-A2-MG antibody binding site. Since the number of sites is limited, as more sites are occupied by A2-MG from the sample, fewer sites are left to bind A2-MG-HRP conjugate. Standards of known A2-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 A2-MG. The A2-MG concentration in each sample is interpolated from this standard curve.

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
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; 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/alpha2-mg-rabbit-elisa-kits/alpha2-macroglobulin/86734>