

Human Alpha-2-Macroglobulin (a2M) ELISA Kit | a2M elisa kit

Human Alpha-2-Macroglobulin (a2M) High Sensitive ELISA Kit

CATALOG # AAA188532	REACTIVITY Human	APPLICATIONS ELISA
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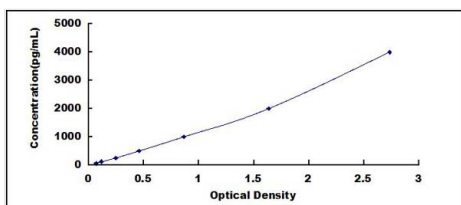
PRODUCT SYNONYMS

Alpha-2-Macroglobulin (a2M); Human Alpha-2-Macroglobulin (a2M) High Sensitive ELISA Kit; Alpha-2-Macroglobulin; A2MG; A2mg; CPAMD5; C3 and PZP-like alpha-2-macroglobulin domain-containing protein 5; a2M elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of a2M. No significant cross-reactivity or interference between a2M and analogues was observed.
Sequence Length	1474
Assay Type	Quantitative Sandwich
Samples	Human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	62.5-4,000pg/mL
Sensitivity	< 28.4pg/mL
Applicable Applications for a2M elisa kit	ELISA
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level a2M were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level a2M were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for a2M elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to a2M. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to a2M. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain a2M, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of a2M in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of a2M in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	66932947
NCBI GeneID	2
NCBI Accession #	NP_000005.2
NCBI GenBank Nucleotide #	NP_000005.2
UniProt Accession #	P01023
NCBI Official Full Name	alpha-2-macroglobulin isoform a
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
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/human-elisa-kits/alpha-2-macroglobulin-a2m/188532>