

Human Alpha-2-macroglobulin ELISA Kit | A2M elisa kit

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CATALOG #
AAA101817

REACTIVITY
Human

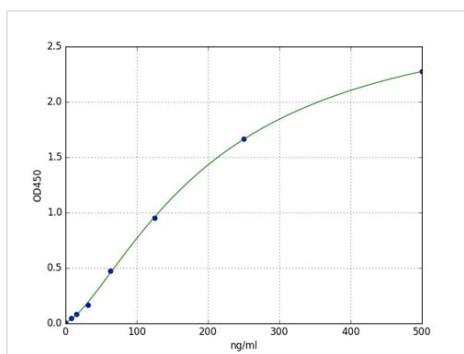
PRODUCT SYNONYMS

Alpha-2-macroglobulin; Human Alpha-2-macroglobulin ELISA Kit; CPAMD5/Alpha-2-M/alpha-2-macroglobulin/C3 and PZP-like alpha-2-macroglobulin domain-containing protein 5; A2M elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	1474
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	78.125-5000ng/ml
Sensitivity	46.875ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Human A2M ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	7.8	15.6	31.2	62.5	125	250	500
Y	OD450	0.056	0.122	0.163	0.276	0.487	0.819	1.478	2.253

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for A2M elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Human A2M antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human A2M antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human A2M amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human A2M can be calculated.

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
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.

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Online datasheet: <https://www.aaabiotech.com/a2m-human-elisa-kits/alpha-2-macroglobulin/101817>