

Human Alpha-2-Macroglobulin (A2M) ELISA Kit | A2M elisa kit

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CATALOG #
AAA331035

REACTIVITY
Human

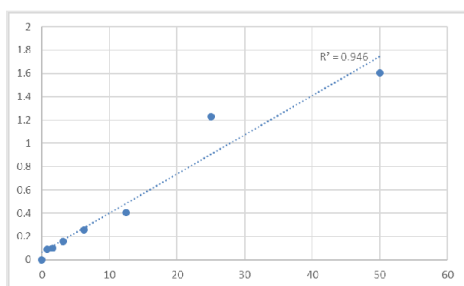
PRODUCT SYNONYMS

Alpha-2-Macroglobulin (A2M); Human Alpha-2-Macroglobulin (A2M) ELISA Kit; A2M; CPAMD5; DKFZp779B086; FWP007; S863-7; A2M elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Alpha-2-macroglobulin (A2M) ELISA Kit has high sensitivity and excellent specificity for detection of Human A2M. No significant cross-reactivity or interference between Human A2M and analogues was observed.
Sequence Length	1474
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Alpha-2-macroglobulin (A2M) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for A2M elisa kit	Description: This Human Alpha-2-macroglobulin (A2M) ELISA Kit employs a two-site sandwich ELISA to quantitate A2M in samples. An antibody specific for A2M has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any A2M present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for A2M is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of A2M bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Alpha2-macroglobulin is a major serum protein with diverse functions, including inhibition of protease activity and binding of growth factors, cytokines, and disease factors. It is also a panprotease inhibitor that is found immunohistochemically in neuritic plaques. Alpha-2-macroglobulin is able to inactivate an enormous variety of proteinases (including serine-, cysteine-, aspartic- and metalloproteinases). Alpha-2-macroglobulin has in its structure a 35 aminoacid "bait" region. Proteinases binding and cleaving the bait region become bound to alpha2M. The proteinase-alpha2M complex is recognised by macrophage receptors and cleared from the system
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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.