

Human Alpha-2-Macroglobulin-Like Protein 1 (A2ML1) ELISA Kit | A2ML1 elisa kit

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CATALOG #
AAA331036

REACTIVITY
Human

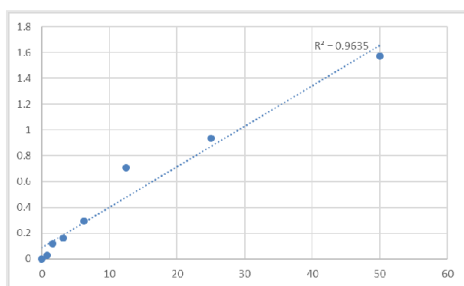
PRODUCT SYNONYMS

Alpha-2-Macroglobulin-Like Protein 1 (A2ML1); Human Alpha-2-Macroglobulin-Like Protein 1 (A2ML1) ELISA Kit; A2ML1; CPAMD9; DKFZp686C1729; DKFZp686D2011; DKFZp686G1812; DKFZp686L1821; DKFZp686O1010; FLJ16045; FLJ25179; FLJ39129; FLJ41597; FLJ41598; FLJ41607; C3 and PZP-like; alpha-2-macroglobulin domain containin; A2ML1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Alpha-2-macroglobulin-like protein 1 (A2ML1) ELISA Kit has high sensitivity and excellent specificity for detection of Human A2ML1. No significant cross-reactivity or interference between Human A2ML1 and analogues was observed.
Sequence Length	963
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-like protein 1 (A2ML1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for A2ML1 elisa kit	Description: This Human Alpha-2-macroglobulin-like protein 1 (A2ML1) ELISA Kit employs a two-site sandwich ELISA to quantitate A2ML1 in samples. An antibody specific for A2ML1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any A2ML1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for A2ML1 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 A2ML1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: The alpha-macroglobulin (AM) superfamily of proteins contains both complement components and protease inhibitors, including A2M and A2ML1. AM proteins display a unique trap mechanism of inhibition, by which the AM inhibitor undergoes a major conformational change upon its cleavage by a protease, thus trapping the protease and blocking it from subsequent substrate binding. This protein has a peptide stretch, called the 'bait region' which contains specific cleavage sites for different proteinases. When a proteinase cleaves the bait region, a conformational change is induced in the protein which traps the proteinase. The entrapped enzyme remains active against low molecular weight substrates. Following cleavage in the bait region a thioester bond is hydrolyzed and mediates the covalent binding of the protein to the proteinase.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	539846446
NCBI GeneID	144568
NCBI Accession #	NP_001269353.1
NCBI GenBank Nucleotide #	NP_001269353.1
UniProt Accession #	A8K2U0
NCBI Official Full Name	alpha-2-macroglobulin-like protein 1 isoform 2
NCBI Official Synonym Full Names	alpha-2-macroglobulin like 1
NCBI Official Symbol	A2ML1
NCBI Official Synonym Symbols	OMS; p170; CPAMD9
NCBI Protein Information	alpha-2-macroglobulin-like protein 1
UniProt Protein Name	Alpha-2-macroglobulin-like protein 1
UniProt Gene Name	A2ML1

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/human-elisa-kits/alpha-2-macroglobulin-like-protein-1-a2ml1/331036>