

Human Afamin (AFM) ELISA Kit | AFM elisa kit

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CATALOG #
AAA331141

REACTIVITY
Human

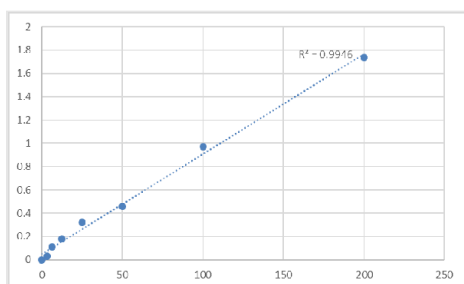
PRODUCT SYNONYMS

Afamin (AFM); Human Afamin (AFM) ELISA Kit; AFM; ALB2; ALBA; ALF; MGC125338; MGC125339; alpha-albumin; AFM elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Afamin (AFM) ELISA Kit has high sensitivity and excellent specificity for detection of Human AFM. No significant cross-reactivity or interference between Human AFM and analogues was observed.
Sequence Length	599
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 Afamin (AFM) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for AFM elisa kit	Description: This Human Afamin (AFM) ELISA Kit employs a two-site sandwich ELISA to quantitate AFM in samples. An antibody specific for AFM has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any AFM present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for AFM 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 AFM bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Afamin is a member of the albumin gene family, which comprises four genes that localize to chromosome 4 in a tandem arrangement. These four genes encode structurally-related serum transport proteins that are known to be evolutionarily related. The protein encoded by this gene is regulated developmentally, expressed in the liver and secreted into the bloodstream. The 'new' gene, called alpha-albumin, was located 10 kb downstream from the AFP locus. The gene is selectively expressed in the liver at late stages of development. The mRNA sequence encodes a predicted secreted protein with the typical triple domain disulfide cross-linked structure. Comparisons of coding and promoter sequences suggested that ALBA could be a phylogenetic intermediate between the ALB and AFP genes.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4501987
NCBI GeneID	173
NCBI Accession #	NP_001124.1
NCBI GenBank Nucleotide #	NP_001124.1
UniProt Accession #	P43652
NCBI Official Full Name	afamin
NCBI Official Synonym Full Names	afamin
NCBI Official Symbol	AFM
NCBI Official Synonym Symbols	ALF; ALB2; ALBA
NCBI Protein Information	afamin
UniProt Protein Name	Afamin
UniProt Gene Name	AFM
UniProt Synonym Gene Names	ALB2; ALBA; Alpha-Alb

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.