

## Human Afamin ELISA Kit | AFM elisa kit

Human Afamin PicoKine ELISA Kit

CATALOG #  
**AAA46772**

REACTIVITY  
**Human**

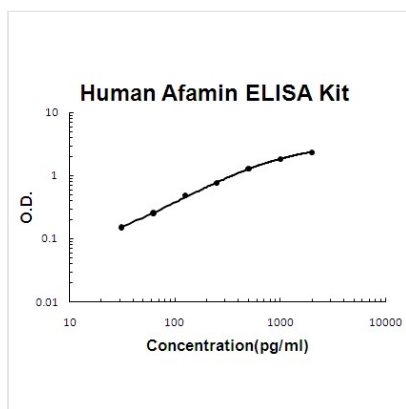
### PRODUCT SYNONYMS

Afamin; Human Afamin PicoKine ELISA Kit; Afm; ALB 2; ALB2; ALBA; ALF; Alpha albumin; Alpha-albumin; Alpha-Alb; P43652; AFM elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                       |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                 |
| Specificity             | Natural and recombinant Human Afamin                                                                                                                  |
| Sequence Length         | 599                                                                                                                                                   |
| Samples                 | Cell culture supernates, serum and urine                                                                                                              |
| Assay Type              | Quantitative Sandwich                                                                                                                                 |
| Detection Range         | 31.2pg/ml-2000pg/ml                                                                                                                                   |
| Sensitivity             | <10pg/ml                                                                                                                                              |
| Intra-assay Precision   | Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.      |
| Inter-assay Precision   | Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision. |
| Preparation and Storage | Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.                                                   |

### IMAGES



**Standard Curve (Sample)**

Human Afamin PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for AFM elisa kit | <p>Principle of the Assay: The Human Afamin ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for Afamin has been precoated onto 96-well plates. Standards(Expression system for standard: NSO, Immunogen sequence: L22-N599) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for Afamin is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was 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 Afamin amount of sample captured in plate.</p> <p>Background: Afamin is a protein that in humans is encoded by the AFM gene. This gene is a member of the albumin gene family, which is comprised of 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.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                |
|----------------------------------|--------------------------------|
| NCBI GI #                        | 4501987                        |
| NCBI GeneID                      | 173                            |
| NCBI Accession #                 | NP_001124.1                    |
| NCBI GenBank Nucleotide #        | NM_001133.2                    |
| UniProt Accession #              | P43652; Q32MR3; Q4W5C5; A8K3E1 |
| Molecular Weight                 | 69,069 Da                      |
| 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                | <b>AFM</b>                     |
| 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.