

## Mouse Fatty Acid Binding Protein 4, Adipocyte (FABP4) ELISA Kit | FABP4 elisa kit

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CATALOG #  
**AAA65517**

REACTIVITY  
**Mouse**

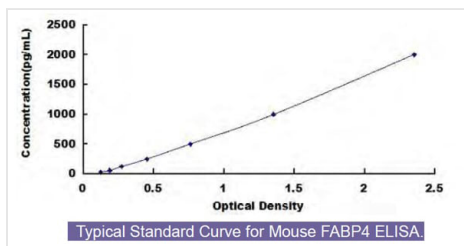
### PRODUCT SYNONYMS

Fatty Acid Binding Protein 4; Adipocyte (FABP4); Mouse Fatty Acid Binding Protein 4; Adipocyte (FABP4) ELISA Kit; A-FABP; AFABP; AP2; Adipocyte Protein 2; Adipocyte-type fatty acid-binding protein; FABP4 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                            |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Mouse                                                                                                                                                                                                      |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of FABP4. No significant cross-reactivity or interference between FABP4 and analogues was observed.                                |
| Sequence Length         | 132                                                                                                                                                                                                        |
| Assay Type              | Quantitative Sandwich                                                                                                                                                                                      |
| Samples                 | Mouse serum, plasma, tissue homogenates, cell lysates or other biological fluids                                                                                                                           |
| Detection Range         | 31.2-2000pg/mL                                                                                                                                                                                             |
| Sensitivity             | < 14.5pg/mL                                                                                                                                                                                                |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level FABP4 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%                                    |
| Inter-assay Precision   | Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level FABP4 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%  |
| Preparation and Storage | For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C. |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for FABP4 elisa kit | <p>Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to FABP4. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to FABP4. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain FABP4, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of FABP4 in the samples is then determined by comparing the O.D. of the samples to the standard curve.</p> <p>Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of FABP4 in mouse serum, plasma, tissue homogenates, cell lysates or other biological fluids.</p> |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                         |
|----------------------------------|-----------------------------------------|
| NCBI GI #                        | 14149635                                |
| NCBI GeneID                      | 11770                                   |
| NCBI Accession #                 | NP_077717.1                             |
| NCBI GenBank Nucleotide #        | NM_024406.2                             |
| UniProt Accession #              | P04117                                  |
| Molecular Weight                 | 14,650 Da                               |
| NCBI Official Full Name          | fatty acid-binding protein, adipocyte   |
| NCBI Official Synonym Full Names | fatty acid binding protein 4, adipocyte |
| NCBI Official Symbol             | Fabp4                                   |
| NCBI Official Synonym Symbols    | Ap2; Lbpl; 422/aP2; ALBP/Ap2            |
| NCBI Protein Information         | fatty acid-binding protein, adipocyte   |
| UniProt Protein Name             | Fatty acid-binding protein, adipocyte   |
| UniProt Gene Name                | Fabp4                                   |
| UniProt Synonym Gene Names       | Ap2; ALBP; A-FABP; AFABP                |

**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/mouse-elisa-kits/fatty-acid-binding-protein-4-adipocyte-fabp4/65517>