

# Human Eukaryotic translation initiation factor 4E-binding protein 1 ELISA Kit | EIF4EBP1 elisa kit

Human Eukaryotic translation initiation factor 4E-binding protein 1 ELISA Kit

CATALOG #  
**AAA196182**

REACTIVITY  
**Human**

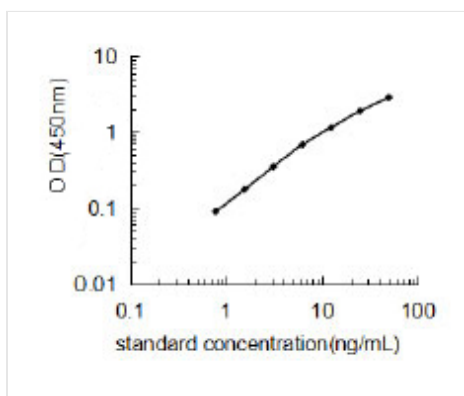
## PRODUCT SYNONYMS

Eukaryotic translation initiation factor 4E-binding protein 1; Human Eukaryotic translation initiation factor 4E-binding protein 1 ELISA Kit; 4E-BP1; eIF4E-binding protein 1; Phosphorylated heat- and acid-stable protein regulated by insulin 1; PHAS-I; EIF4EBP1; EIF4EBP1 elisa kit

## PRODUCT SPECIFICATIONS

|                         |                                                                                                    |
|-------------------------|----------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                              |
| Specificity             | Recombinant and natural Human Eukaryotic translation initiation factor 4E-binding protein 1,4E-BP1 |
| Sequence Length         | 118                                                                                                |
| Samples                 | Serum, plasma, tissue homogenates, cell culture supernates or other biological fluids              |
| Detection Range         | 0.78-50 ng/mL                                                                                      |
| Sensitivity             | < 0.408 ng/mL                                                                                      |
| Intra-assay Precision   | <=4.6%                                                                                             |
| Inter-assay Precision   | <=5.7%                                                                                             |
| Preparation and Storage | For long term storage, please store the entire kit at -20 degree C.                                |

## IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for EIF4EBP1 elisa kit | <p>Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to target antigen. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific for target antigen and then avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain target antigen, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm ± 2 nm. The concentration of target antigen in the samples is then determined by comparing the O.D. of the samples to the standard curve.</p> <p>Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of target antigen concentrations in serum, plasma, tissue homogenates, cell culture supernates or other biological fluids.</p> |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                               |
|----------------------------------|---------------------------------------------------------------|
| NCBI GI #                        | 4758258                                                       |
| NCBI GeneID                      | 1978                                                          |
| NCBI Accession #                 | NP_004086.1                                                   |
| NCBI GenBank Nucleotide #        | NM_004095.3                                                   |
| Molecular Weight                 | 12,580 Da                                                     |
| NCBI Official Full Name          | eukaryotic translation initiation factor 4E-binding protein 1 |
| NCBI Official Synonym Full Names | eukaryotic translation initiation factor 4E binding protein 1 |
| NCBI Official Symbol             | EIF4EBP1                                                      |
| NCBI Official Synonym Symbols    | BP-1; 4EBP1; 4E-BP1; PHAS-I                                   |
| NCBI Protein Information         | eukaryotic translation initiation factor 4E-binding protein 1 |
| UniProt Protein Name             | Eukaryotic translation initiation factor 4E-binding protein 1 |
| UniProt Gene Name                | EIF4EBP1                                                      |
| UniProt Synonym Gene Names       | 4E-BP1; eIF4E-binding protein 1; PHAS-I                       |
| UniProt Entry Name               | 4EBP1_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/eif4ebp1-human-elisa-kits/eukaryotic-translation-initiation-factor-4e-binding-protein-1/196182>