

## Human insulin-like growth factor binding protein 1 ELISA Kit | IGFBP1 elisa kit

Human insulin-like growth factors binding protein 1, IGFBP-1 ELISA Kit

CATALOG #  
**AAA80686**

REACTIVITY  
**Human**

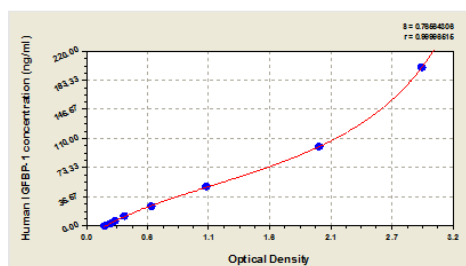
### PRODUCT SYNONYMS

insulin-like growth factor binding protein 1; Human insulin-like growth factors binding protein 1; IGFBP-1 ELISA Kit; AFBP; IBP1; IGF-BP25; PP12; hIGFBP-1; IGF-binding protein 1; alpha-pregnancy-associated endometrial globulin; amniotic fluid binding protein; binding protein-25; binding protein-26; binding protein-28; gr; IGFBP1 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                           |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                                                                                                                                                                     |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of Human IGFBP1. No significant cross-reactivity or interference between Human IGFBP1 and analogues was observed.                                                                                                                                 |
| Sequence Length         | 259                                                                                                                                                                                                                                                                                                                       |
| Samples                 | Serum, plasma and tissue homogenates                                                                                                                                                                                                                                                                                      |
| Assay Type              | Sandwich                                                                                                                                                                                                                                                                                                                  |
| Detection Range         | 3.12 ng/ml-200 ng/ml                                                                                                                                                                                                                                                                                                      |
| Sensitivity             | 0.78 ng/ml                                                                                                                                                                                                                                                                                                                |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay): CV% is less than 8%<br>Three samples of known concentration were tested twenty times on one plate to assess.<br>Inter-assay Precision (Precision between assays): CV% is less than 10%<br>Three samples of known concentration were tested in twenty assays to assess. |
| Detection Wavelength    | 450 nm                                                                                                                                                                                                                                                                                                                    |
| Sample Volume           | 50-100ul                                                                                                                                                                                                                                                                                                                  |
| Preparation and Storage | Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.                                                                                                                                                                                         |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|--------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for IGFBP1 elisa kit | <b>Principle of the Assay:</b> This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for IGFBP-1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any IGFBP-1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for IGFBP-1 is added to the wells. After washing, avidin 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 IGFBP-1 bound in the initial step. The color development is stopped and the intensity of the color is measured. |
|--------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                                                    |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 4504615                                                                                                                                                                                                                                                                                            |
| NCBI GeneID                      | 3484                                                                                                                                                                                                                                                                                               |
| NCBI Accession #                 | NP_000587.1                                                                                                                                                                                                                                                                                        |
| NCBI GenBank Nucleotide #        | NM_000596.2                                                                                                                                                                                                                                                                                        |
| UniProt Accession #              | P08833; Q8IYP5; A4D2F4; D3DVL9                                                                                                                                                                                                                                                                     |
| Molecular Weight                 | 27,904 Da                                                                                                                                                                                                                                                                                          |
| NCBI Official Full Name          | insulin-like growth factor-binding protein 1                                                                                                                                                                                                                                                       |
| NCBI Official Synonym Full Names | insulin-like growth factor binding protein 1                                                                                                                                                                                                                                                       |
| NCBI Official Symbol             | IGFBP1                                                                                                                                                                                                                                                                                             |
| NCBI Official Synonym Symbols    | AFBP; IBP1; PP12; IGF-BP25; hIGFBP-1                                                                                                                                                                                                                                                               |
| NCBI Protein Information         | insulin-like growth factor-binding protein 1; IBP-1; IGFBP-1; binding protein-25; binding protein-26; binding protein-28; placental protein 12; IGF-binding protein 1; amniotic fluid binding protein; growth hormone independent-binding protein; alpha-pregnancy-associated endometrial globulin |
| UniProt Protein Name             | Insulin-like growth factor-binding protein 1                                                                                                                                                                                                                                                       |
| UniProt Gene Name                | IGFBP1                                                                                                                                                                                                                                                                                             |
| UniProt Synonym Gene Names       | IBP1; IBP-1; IGF-binding protein 1; IGFBP-1; PP12                                                                                                                                                                                                                                                  |
| UniProt Entry Name               | IBP1_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://www.aaabiotech.com/igfbp1-human-elisa-kits/insulin-like-growth-factor-binding-protein-1/80686>