

## Human IGFBP4 ELISA Kit | IGFBP4 elisa kit

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CATALOG #  
**AAA263053**

REACTIVITY  
**Human**

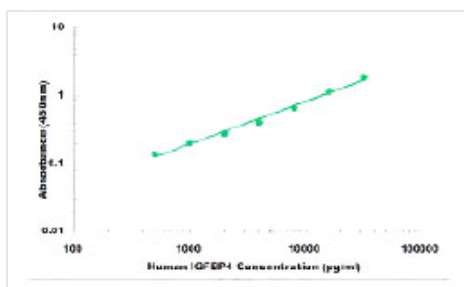
### PRODUCT SYNONYMS

IGFBP4; Human IGFBP4 ELISA Kit; IBP4; Insulin-like growth factor-binding protein 4; IBP-4; IGF-binding protein 4; IGFBP-4; IGFBP4 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                              |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                                        |
| Specificity             | The Human IGFBP4 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human IGFBP4 proteins within the range of 156 pg/ml - 10000 pg/ml. |
| Sequence Length         | 258                                                                                                                                                                                          |
| Samples                 | Cell Culture Supernates, Serum, Plasma                                                                                                                                                       |
| Sensitivity             | <20 pg/ml                                                                                                                                                                                    |
| Preparation and Storage | Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.                                                                                  |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|--------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for IGFBP4 elisa kit | <p>Principle of the Assay: The Human IGFBP4 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human IGFBP4 in Cell Culture Supernates, Serum, Plasma. This assay employs an antibody specific for Human IGFBP4 coated on a 96-well plate. Standards and samples are pipetted into the wells and IGFBP4 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human IGFBP4 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of IGFBP4 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.</p> <p>Background: Insulin-like growth factor-binding protein 4 is a protein that in humans is encoded by the IGFBP4gene. This gene is a member of the insulin-like growth factor binding protein (IGFBP) family and encodes a protein with an IGFBP domain and a thyroglobulin type-I domain. The protein binds both insulin-like growth factors (IGFs) I and II and circulates in the plasma in both glycosylated and non-glycosylated forms. Binding of this protein prolongs the half-life of the IGFs and alters their interaction with cell surface receptors. In addition, IGFBP-4 is a unique protein and it consistently inhibits several cancer cells in vivo and in vitro. Its inhibitory action has been shown in vivo in prostate and colon. It is secreted by all colon cancer cells.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                              |
|----------------------------------|----------------------------------------------|
| NCBI GI #                        | 62243290                                     |
| NCBI GeneID                      | 3487                                         |
| NCBI Accession #                 | NP_001543.2                                  |
| NCBI GenBank Nucleotide #        | NM_001552.2                                  |
| UniProt Accession #              | P22692; Q5U012; Q9UCL6; A0N9W2; B4E351       |
| Molecular Weight                 | 17,635 Da                                    |
| NCBI Official Full Name          | insulin-like growth factor-binding protein 4 |
| NCBI Official Synonym Full Names | insulin like growth factor binding protein 4 |
| NCBI Official Symbol             | IGFBP4                                       |
| NCBI Official Synonym Symbols    | BP-4; IBP4; IGFBP-4; HT29-IGFBP              |
| NCBI Protein Information         | insulin-like growth factor-binding protein 4 |
| UniProt Protein Name             | Insulin-like growth factor-binding protein 4 |
| UniProt Gene Name                | IGFBP4                                       |
| UniProt Synonym Gene Names       | IBP4; IBP-4; IGF-binding protein 4; IGFBP-4  |
| UniProt Entry Name               | IBP4_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.

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Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/igfbp4/263053>