

# Human Insulin-like growth factor-binding protein 5 ELISA Kit | IGFBP-5 elisa kit

Human Insulin-like growth factor-binding protein 5 ELISA Kit

CATALOG #  
**AAA100549**

REACTIVITY  
**Human**

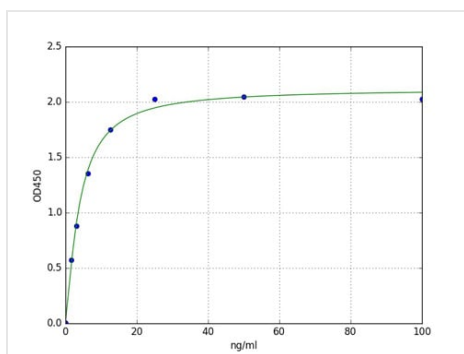
## PRODUCT SYNONYMS

Insulin-like growth factor-binding protein 5; Human Insulin-like growth factor-binding protein 5 ELISA Kit; IGFBP-5/IBP5/IBP-5/IGF-binding protein 5/insulin-like growth factor binding protein 5/IGFBP5; IGFBP-5 elisa kit

## PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                              |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                        |
| Sequence Length         | 272                                                                                                                                                          |
| Assay Type              | Sandwich ELISA, Double Antibody                                                                                                                              |
| Samples                 | Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples                                                                         |
| Detection Range         | 62.5-4000pg/ml                                                                                                                                               |
| Sensitivity             | 37.5pg/ml                                                                                                                                                    |
| Preparation and Storage | Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C |

## IMAGES



Standard Curve (Sample)

### Typical Data & Standard Curve

Results of a typical standard run of a Human IGFBP-5 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

| X | ng/ml | 0     | 1.563 | 3.125 | 6.25  | 12.5  | 25    | 50    | 100   |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Y | OD450 | 0.033 | 0.184 | 0.315 | 0.567 | 0.919 | 1.344 | 1.700 | 2.013 |

Standard Curve (Sample)

## ADDITIONAL INFORMATION

### Related Product Information for IGFBP-5 elisa kit

**Principle of the Assay**||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Human IGFBP-5 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human IGFBP-5 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were 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 IGFBP-5 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human IGFBP-5 can be calculated.

NCBI AND UNIPROT INFORMATION

|                                  |                                              |
|----------------------------------|----------------------------------------------|
| NCBI GI #                        | 10834982                                     |
| NCBI GeneID                      | 3488                                         |
| NCBI Accession #                 | NP_000590.1                                  |
| NCBI GenBank Nucleotide #        | NM_000599.3                                  |
| Molecular Weight                 | 30,570 Da                                    |
| NCBI Official Full Name          | insulin-like growth factor-binding protein 5 |
| NCBI Official Synonym Full Names | insulin like growth factor binding protein 5 |
| NCBI Official Symbol             | IGFBP5                                       |
| NCBI Official Synonym Symbols    | IBP5                                         |
| NCBI Protein Information         | insulin-like growth factor-binding protein 5 |
| UniProt Protein Name             | Insulin-like growth factor-binding protein 5 |
| UniProt Gene Name                | <b>IGFBP5</b>                                |
| UniProt Synonym Gene Names       | IBP5; IBP-5; IGF-binding protein 5; IGFBP-5  |
| UniProt Entry Name               | IBP5_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://stage.aaabiotech.com/igfbp-5-human-elisa-kits/insulin-like-growth-factor-binding-protein-5/100549>