

**ARG80494**  
**Human IGFBP3 ELISA Kit**Package: 96 wells  
Store at: 4°C

### Summary

|                     |  |
|---------------------|--|
| Product Description | ARG80494 Human IGFBP3 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human IGFBP3 in serum and plasma (EDTA, heparin). |
| Tested Reactivity   | Hu   |
| Tested Application  | ELISA  |
| Target Name         | IGFBP3   |
| Conjugation         | HRP  |
| Sensitivity         | 0.1 ng/ml  |
| Sample Type         | Serum and plasma (EDTA, heparin).  |
| Standard Range      | 0.4 - 30 ng/ml   |
| Sample Volume       | 10 µl  |
| Alternate Names     | IBP-3; IBP3; Insulin-like growth factor-binding protein 3; IGFBP-3; IGF-binding protein 3; BP-53   |

### Application Instructions

|            |                              |
|------------|------------------------------|
| Assay Time | 1 h, 1 h, 30 min (RT/shaker) |
|------------|------------------------------|

### Properties

|                     |  |
|---------------------|--|
| Form                | 96 well  |
| Storage instruction | Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components. |
| Note                | For laboratory research only, not for drug, diagnostic or other use.   |

### Bioinformation

|                |  |
|----------------|--|
| Gene Symbol    | IGFBP3   |
| Gene Full Name | insulin-like growth factor binding protein 3   |
| Background     | 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 forms a ternary complex with insulin-like growth factor acid-labile subunit (IGFALS) and either insulin-like growth factor (IGF) I or II. In this form, it circulates in the plasma, prolonging the half-life of IGFs and altering their interaction with cell surface receptors. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008] |
| Function       | IGF-binding proteins prolong the half-life of the IGFs and have been shown to either inhibit or stimulate the growth promoting effects of the IGFs on cell culture. They alter the interaction of IGFs with their cell surface receptors. Also exhibits IGF-independent antiproliferative and apoptotic effects mediated by its receptor TMEM219/IGFBP-3R. [UniProt]   |

## Highlight

Related products:

[IGFBP3 antibodies](#); [IGFBP3 ELISA Kits](#);

Related news:

[Detecting MMPs and their non-ECM substrates](#)

New ELISA data calculation tool:

[Simplify the ELISA analysis by GainData](#)

## Research Area

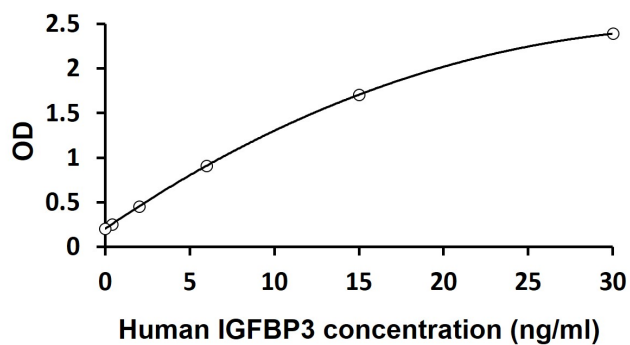
Cell Biology and Cellular Response kit; Cell Death kit; Metabolism kit; Signaling Transduction kit

## PTM

Phosphorylated by FAM20C in the extracellular medium.

## Images

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ARG80494 Human IGFBP3 ELISA Kit standard curve image

ARG80494 Human IGFBP3 ELISA Kit results of a typical standard run with optical density reading at 450 - 620 nm.