

## Human Insulin like Growth Factor1 ELISA Kit | IGF1 elisa kit

Human Insulin like Growth Factor1 ELISA Kit

CATALOG #  
**AAA84722**

REACTIVITY  
**Human**

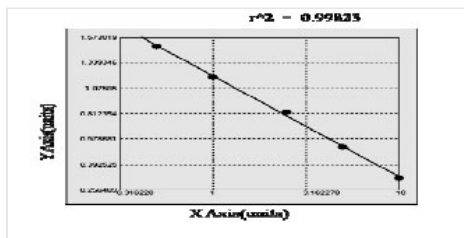
### PRODUCT SYNONYMS

Insulin like Growth Factor1; Human Insulin like Growth Factor1 ELISA Kit; IGF1 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                            |
|-------------------------|----------------------------------------------------------------------------|
| Reactivity              | Human                                                                      |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate |
| Assay Type              | Competitive or Sandwich                                                    |
| Detection Range         | 50-1000ng/mL                                                               |
| Sensitivity             | 1.0ng/mL                                                                   |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                        |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for IGF1 elisa kit

**Intended Uses:** This IGF-1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human IGF-1. This ELISA kit for research use only!

**Principle of the Assay:** IGF-1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-IGF-1 antibody and an IGF-1-HRP conjugate. The assay sample and buffer are incubated together with IGF-1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the IGF-1 concentration since IGF-1 from samples and IGF-1-HRP conjugate compete for the anti-IGF-1 antibody binding site. Since the number of sites is limited, as more sites are occupied by IGF-1 from the sample, fewer sites are left to bind IGF-1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The IGF-1 concentration in each sample is interpolated from this standard curve.

#### Product Categories/Family for IGF1 elisa kit

Signal Transduction

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                       |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 163659903                                                                                                                                             |
| NCBI GeneID                      | 3479                                                                                                                                                  |
| NCBI Accession #                 | NP_001104755.1                                                                                                                                        |
| NCBI GenBank Nucleotide #        | NM_001111285.1                                                                                                                                        |
| Molecular Weight                 | 17,762 Da                                                                                                                                             |
| NCBI Official Full Name          | insulin-like growth factor I isoform 3 preproprotein                                                                                                  |
| NCBI Official Synonym Full Names | insulin-like growth factor 1 (somatomedin C)                                                                                                          |
| NCBI Official Symbol             | IGF1                                                                                                                                                  |
| NCBI Official Synonym Symbols    | IGFI; IGF-I; IGF1A                                                                                                                                    |
| NCBI Protein Information         | insulin-like growth factor I; MGF; IGF-IA; IGF-IB; somatomedin-C; mechano growth factor; insulin-like growth factor IA; insulin-like growth factor IB |
| UniProt Protein Name             | Insulin-like growth factor I                                                                                                                          |
| UniProt Gene Name                | IGF1                                                                                                                                                  |
| UniProt Synonym Gene Names       | IBP1; IGF-I; MGF                                                                                                                                      |
| UniProt Entry Name               | IGF1_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/igf1-human-elisa-kits/insulin-like-growth-factor1/84722>