

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

Chicken Insulin like Growth Factor1 ELISA Kit

CATALOG #  
**AAA16898**

REACTIVITY  
**Chicken**

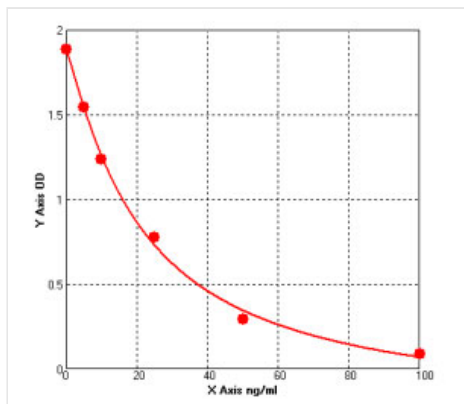
### PRODUCT SYNONYMS

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

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Chicken                                                                                                                                                                                                                                                                                                                                                                                  |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of IGF1. No significant cross-reactivity or interference between IGF1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between IGF1 and all the analogues, therefore, cross reaction may still exist in some cases. |
| Assay Type              | Quantitative Competitive                                                                                                                                                                                                                                                                                                                                                                 |
| Samples                 | Serum, plasma, cell culture supernatants, body fluid and tissue homogenate                                                                                                                                                                                                                                                                                                               |
| Sensitivity             | 1.0 ng/mL                                                                                                                                                                                                                                                                                                                                                                                |
| Preparation and Storage | Store all reagents at 2-8 degree C                                                                                                                                                                                                                                                                                                                                                       |

### IMAGES



Standard Curve (Sample)

## ADDITIONAL INFORMATION

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|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for IGF1 elisa kit | <p>Principle of the Assay: IGF1 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-IGF1 antibody and an IGF1-HRP conjugate. The assay sample and buffer are incubated together with IGF1-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 IGF1 concentration since IGF1 from samples and IGF1-HRP conjugate compete for the anti-IGF1 antibody binding site. Since the number of sites is limited, as more sites are occupied by IGF1 from the sample, fewer sites are left to bind IGF1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The IGF1 concentration in each sample is interpolated from this standard curve.</p> <p>Intended Uses: This IGF1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken IGF1. This ELISA kit for research use only, not for therapeutic or diagnostic applications!</p> |
| 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                                                                                                                                                                      |
| UniProt Accession #              | P05019; P01343; Q14620; B2RWM7; Q13429; Q59GC5; Q5U743; Q6LD41; Q9NP10                                                                                                              |
| Molecular Weight                 | 21,841 Da                                                                                                                                                                           |
| NCBI Official Full Name          | insulin-like growth factor 1 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 1; MGF; IGF-IA; IGF-IB; somatomedin-C; mechano growth factor; insulin-like growth factor I; 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-chicken-elisa-kits/insulin-like-growth-factor1/16898>