

## Porcine Insulin-like growth factor-2 ELISA Kit | IGF-2 elisa kit

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CATALOG #  
**AAA92546**

REACTIVITY  
**Porcine**

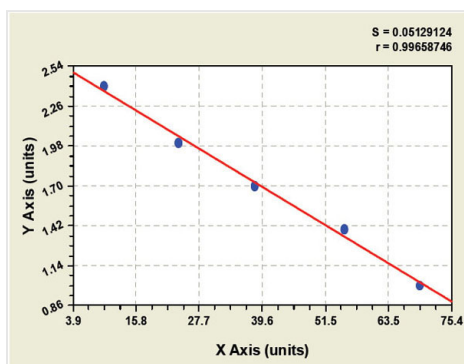
### PRODUCT SYNONYMS

Insulin-like growth factor-2; Porcine Insulin-like growth factor-2 ELISA Kit; IGF-2 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                            |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Porcine                                                                                                                                                                                    |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate                                                                                                                 |
| Detection Range         | 10-250ng/mL                                                                                                                                                                                |
| Sensitivity             | 1.0ng/mL                                                                                                                                                                                   |
| Intended Uses           | This IGF-2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine IGF-2. This ELISA kit for research use only, not for therapeutic applications! |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                                                                                                                                        |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

Related Product Information for IGF-2 elisa kit

**Principle of the assay:** IGF-2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-IGF-2 antibody and an IGF-2-HRP conjugate. The assay sample and buffer are incubated together with IGF-2-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-2 concentration since IGF-2 from samples and IGF-2-HRP conjugate compete for the anti-IGF-2 antibody binding site. Since the number of sites is limited, as more sites are occupied by IGF-2 from the sample, fewer sites are left to bind IGF-2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The IGF-2 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for IGF-2 elisa kit

Cancer

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                |
|----------------------------------|----------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 189955                                                                                                         |
| NCBI GeneID                      | 3481                                                                                                           |
| Molecular Weight                 | 26,331 Da                                                                                                      |
| NCBI Official Full Name          | insulin-like growth factor II                                                                                  |
| NCBI Official Synonym Full Names | insulin-like growth factor 2                                                                                   |
| NCBI Official Symbol             | IGF2                                                                                                           |
| NCBI Official Synonym Symbols    | IGF-II; PP9974; C11orf43                                                                                       |
| NCBI Protein Information         | insulin-like growth factor II; insulin-like growth factor type 2; insulin-like growth factor 2 (somatomedin A) |
| UniProt Protein Name             | Insulin-like growth factor II                                                                                  |
| UniProt Gene Name                | IGF2                                                                                                           |
| UniProt Synonym Gene Names       | PP1446; IGF-II                                                                                                 |
| UniProt Entry Name               | IGF2_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/igf-2-porcine-elisa-kits/insulin-like-growth-factor-2/92546>