

## Guinea Pig insulin ELISA Kit | INS elisa kit

Guinea Pig insulin, INS ELISA Kit

CATALOG #  
**AAA113008**

REACTIVITY  
**Guinea Pig**

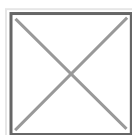
### PRODUCT SYNONYMS

insulin; Guinea Pig insulin; INS ELISA Kit; Guinea pig insulin (INS) ELISA kit; ILPR; IRDN; OTTHUMP00000011162; OTTHUMP00000196038; proinsulin; INS elisa kit

### PRODUCT SPECIFICATIONS

|                              |                                                                                                                                                                                                                                                                                                                           |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                   | Guinea Pig                                                                                                                                                                                                                                                                                                                |
| Specificity                  | This assay has high sensitivity and excellent specificity for detection of Guinea pig INS. No significant cross-reactivity or interference between Guinea pig INS and analogues was observed.                                                                                                                             |
| Sequence Length              | 110                                                                                                                                                                                                                                                                                                                       |
| Samples                      | Serum, plasma, tissue homogenates                                                                                                                                                                                                                                                                                         |
| Assay Type                   | Sandwich                                                                                                                                                                                                                                                                                                                  |
| Detection Range              | 12 uIU/ml-210 uIU/ml                                                                                                                                                                                                                                                                                                      |
| Sensitivity                  | 7.5 uIU/ml                                                                                                                                                                                                                                                                                                                |
| Intra-assay Precision        | Intra-assay Precision (Precision within an assay): CV% is less than 8%<br>Three samples of known concentration were tested twenty times on one plate to assess.<br>Inter-assay Precision (Precision between assays): CV% is less than 10%<br>Three samples of known concentration were tested in twenty assays to assess. |
| Detection Wavelength         | 450 nm                                                                                                                                                                                                                                                                                                                    |
| Sample Volume                | 50-100ul                                                                                                                                                                                                                                                                                                                  |
| Protein Biological Process 1 | Biosynthesis/Metabolism                                                                                                                                                                                                                                                                                                   |
| Protein Biological Process 2 | glyconeogenesis and glycometabolism                                                                                                                                                                                                                                                                                       |
| Protein Biological Process 3 | Carbohydrate metabolism                                                                                                                                                                                                                                                                                                   |
| Preparation and Storage      | Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.                                                                                                                                                                                         |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for INS elisa kit | <b>Principle of the Assay:</b> This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for INS has been pre-coated onto a microplate. Standards and samples are pipetted into the wells with a Horseradish Peroxidase (HRP) conjugated antibody specific for INS. Following a wash to remove any unbound reagent, a substrate solution is added to the wells and color develops in proportion to the amount of INS bound in the initial step. The color development is stopped and the intensity of the color is measured. |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                           |                        |
|---------------------------|------------------------|
| NCBI GI #                 | 290542351              |
| NCBI GeneID               | 100379579              |
| NCBI Accession #          | NP_001166362.1         |
| NCBI GenBank Nucleotide # | NM_001172891.1         |
| UniProt Accession #       | P01329                 |
| Molecular Weight          | 12,187 Da              |
| NCBI Official Full Name   | insulin                |
| NCBI Official Symbol      | Ins                    |
| NCBI Protein Information  | insulin; preproinsulin |
| UniProt Protein Name      | Insulin                |
| UniProt Gene Name         | INS                    |
| UniProt Entry Name        | INS_CAVPO              |

**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/ins-guinea-pig-pig-elisa-kits/insulin/113008>