

## Insulin (INS) ELISA Kit | INS elisa kit

Monkey Insulin (INS) ELISA Kit

CATALOG #  
**AAA68417**

REACTIVITY  
**Rhesus Monkey**

### PRODUCT SYNONYMS

Insulin (INS); Monkey Insulin (INS) ELISA Kit; INS elisa kit

### PRODUCT SPECIFICATIONS

|                       |                                                                                                                                                                                                         |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity            | Rhesus Monkey                                                                                                                                                                                           |
| Specificity           | This assay has high sensitivity and excellent specificity for detection of INS. No significant cross-reactivity or interference between INS and analogues was observed.                                 |
| Sequence Length       | 110                                                                                                                                                                                                     |
| Samples               | Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids                                                                                                    |
| Assay Type            | Quantitative Competitive                                                                                                                                                                                |
| Detection Range       | 3.125-200ng/mL                                                                                                                                                                                          |
| Sensitivity           | <1.09ng/mL.                                                                                                                                                                                             |
| Intra-assay Precision | Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level INS were tested 20 times on one plate, respectively. Intra-Assay: CV<10%                                   |
| Inter-assay Precision | Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level INS were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12% |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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| Related Product Information for INS elisa kit | <p>Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of INS in monkey serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.</p> <p>Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to INS has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled INS and unlabeled INS (Standards or samples) with the pre-coated antibody specific to INS. After incubation the unbound conjugate is washed off. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of INS in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of INS in the sample.</p> |
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NCBI AND UNIPROT INFORMATION

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|--------------------------|----------------|
| NCBI GI #                | 266362         |
| NCBI GeneID              | 704534         |
| UniProt Accession #      | P30407; P01309 |
| Molecular Weight         | 12,019 Da      |
| NCBI Official Full Name  | Insulin        |
| NCBI Official Symbol     | INS            |
| NCBI Protein Information | insulin        |
| UniProt Protein Name     | Insulin        |
| UniProt Gene Name        | INS            |

**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/monkey-rhesus-monkey-elisa-kits/insulin-ins/68417>