

## Monkey Insulin ELISA Kit | INS elisa kit

Monkey Insulin ELISA Kit

CATALOG #  
**AAA90042**

REACTIVITY  
**Monkey**

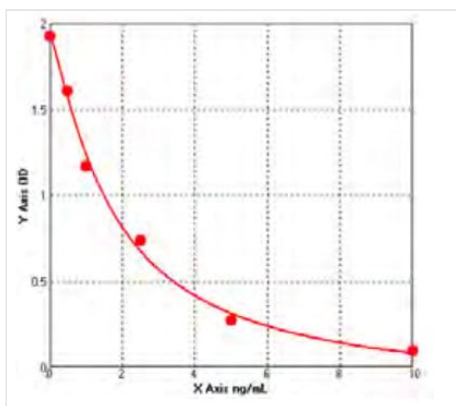
### PRODUCT SYNONYMS

Insulin; Monkey Insulin ELISA Kit; INS elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | 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. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between INS 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             | 0.1 ng/ml                                                                                                                                                                                                                                                                                                                                                                             |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                                                                                                                                                                                                                                                                                                                                   |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for INS elisa kit | <p>Principle of the Assay: INS ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-INS antibody and an INS-HRP conjugate. The assay sample and buffer are incubated together with INS-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 INS concentration since INS from samples and INS-HRP conjugate compete for the anti-INS antibody binding site. Since the number of sites is limited, as more sites are occupied by INS from the sample, fewer sites are left to bind INS-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The INS concentration in each sample is interpolated from this standard curve.</p> <p>Intended Uses: This INS ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Monkey INS. This ELISA kit for research use only, not for therapeutic or test applications!</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                           |
|----------------------------------|---------------------------------------------------------------------------|
| NCBI GI #                        | 386828                                                                    |
| NCBI GeneID                      | 3630                                                                      |
| Molecular Weight                 | 21,537 Da                                                                 |
| NCBI Official Full Name          | insulin                                                                   |
| NCBI Official Synonym Full Names | insulin                                                                   |
| NCBI Official Symbol             | INS                                                                       |
| NCBI Official Synonym Symbols    | ILPR; IRDN; IDDM1; IDDM2; MODY10                                          |
| NCBI Protein Information         | insulin; proinsulin; preproinsulin; insulin-dependent diabetes mellitus 2 |
| UniProt Protein Name             | Insulin                                                                   |
| UniProt Gene Name                | INS                                                                       |
| UniProt Entry Name               | INS_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://www.aaabiotech.com/ins-monkey-elisa-kits/insulin/90042>