

## Porcine Insulin Autoantibody ELISA Kit | IAA elisa kit

Porcine Insulin Autoantibody ELISA Kit

CATALOG #  
**AAA93631**

REACTIVITY  
**Porcine**

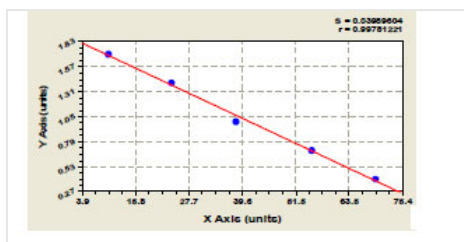
### PRODUCT SYNONYMS

Insulin Autoantibody; Porcine Insulin Autoantibody ELISA Kit; IAA elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                            |
|-------------------------|----------------------------------------------------------------------------|
| Reactivity              | Porcine                                                                    |
| Samples                 | Serum, plasma, cell culture supernatants, body fluid and tissue homogenate |
| Assay Type              | Competitive (Quantitative)                                                 |
| 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 IAA elisa kit

**Intended Uses:** This IAA ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine IAA. This ELISA kit for research use only!

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

#### Product Categories/Family for IAA elisa kit

[Immunology](#)

**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.

