

## Goat Islet amyloid polypeptide ELISA Kit | IAPP elisa kit

Goat Islet amyloid polypeptide ELISA Kit

CATALOG #  
**AAA92240**

REACTIVITY  
**Goat**

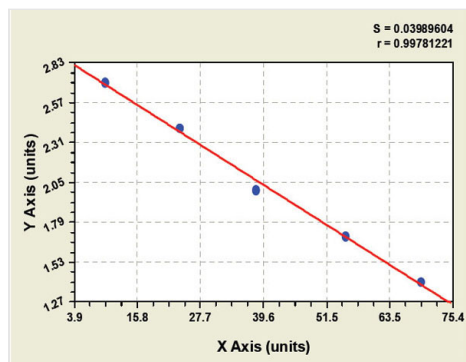
### PRODUCT SYNONYMS

Islet amyloid polypeptide; Goat Islet amyloid polypeptide ELISA Kit; IAPP elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Goat                                                                                                                                                                                  |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate                                                                                                            |
| Assay Type              | Competitive                                                                                                                                                                           |
| Intended Uses           | This IAPP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Goat IAPP. This ELISA kit for research use only, not for therapeutic applications  |
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| Preparation and Storage | Store all reagents at 2-8 degree C.                                                                                                                                                   |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for IAPP elisa kit

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

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                             |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 4557655                                                                                                                                                     |
| NCBI GeneID                      | 3375                                                                                                                                                        |
| NCBI Accession #                 | NP_000406.1                                                                                                                                                 |
| NCBI GenBank Nucleotide #        | NM_000415.2                                                                                                                                                 |
| Molecular Weight                 | 9,806 Da                                                                                                                                                    |
| NCBI Official Full Name          | islet amyloid polypeptide                                                                                                                                   |
| NCBI Official Synonym Full Names | islet amyloid polypeptide                                                                                                                                   |
| NCBI Official Symbol             | IAPP                                                                                                                                                        |
| NCBI Official Synonym Symbols    | DAP; IAP                                                                                                                                                    |
| NCBI Protein Information         | islet amyloid polypeptide; amylin; insulinoma amyloid peptide; diabetes-associated peptide; Islet amyloid polypeptide (diabetes-associated peptide; amylin) |
| UniProt Protein Name             | Islet amyloid polypeptide                                                                                                                                   |
| UniProt Gene Name                | IAPP                                                                                                                                                        |
| UniProt Synonym Gene Names       | DAP                                                                                                                                                         |
| UniProt Entry Name               | IAPP_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/iapp-goat-elisa-kits/islet-amyloid-polypeptide/92240>