

## Porcine Arginase ELISA Kit | Arg elisa kit

Porcine Arginase ELISA Kit

CATALOG #  
**AAA91220**

REACTIVITY  
**Porcine**

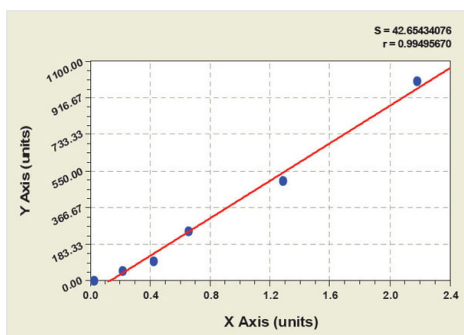
### PRODUCT SYNONYMS

Arginase; Porcine Arginase ELISA Kit; Arg elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                        |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Porcine                                                                                                                                                                                |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate                                                                                                             |
| Detection Range         | 50-1000ng/mL                                                                                                                                                                           |
| Sensitivity             | 1.0 ng/mL                                                                                                                                                                              |
| Intended Uses           | This Arg ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine Arg. This ELISA kit for research use only, not for therapeutic applications! |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                                                                                                                                    |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for Arg elisa kit

**Principle of the Assay:** Arg ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for Arg. Standards or samples are then added to the microtiter plate wells and Arg if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of Arg present in the sample, a standardized preparation of horseradish peroxidase (HRP) -conjugated polyclonal antibody, specific for Arg are added to each well to "sandwich" the Arg immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain Arg and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The Arg concentration in each sample is interpolated from this standard curve.

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

Signal Transduction

NCBI AND UNIPROT INFORMATION

|                           |                |
|---------------------------|----------------|
| NCBI GI #                 | 320333175      |
| NCBI GeneID               | 10149885       |
| NCBI Accession #          | YP_004169886.1 |
| NCBI GenBank Nucleotide # | NC_014958.1    |
| Molecular Weight          | 31,474 Da      |
| NCBI Official Full Name   | arginase       |
| NCBI Official Symbol      | Deima_0562     |
| NCBI Protein Information  | arginase       |
| UniProt Protein Name      | Arginase       |
| UniProt Entry Name        | E8U582_DEIML   |

**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/arg-porcine-elisa-kits/arginase/91220>