

## Bovine Arginase 2 (ARG2) ELISA Kit | ARG2 elisa kit

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CATALOG #  
AAA245605

REACTIVITY  
Bovine

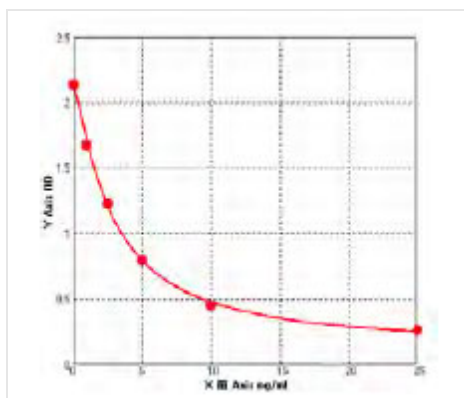
### PRODUCT SYNONYMS

Arginase 2 (ARG2); Bovine Arginase 2 (ARG2) ELISA Kit; ARG2 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                            |
|-------------------------|----------------------------------------------------------------------------|
| Reactivity              | Bovine                                                                     |
| Samples                 | Serum, plasma, cell culture supernatants, body fluid and tissue homogenate |
| Assay Type              | Quantitative Competitive                                                   |
| 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 ARG2 elisa kit

**Intended Uses:** This ARG2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine ARG2. This ELISA kit for research use only!

**Principle of the Assay:** ARG2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-ARG2 antibody and an ARG2-HRP conjugate. The assay sample and buffer are incubated together with ARG2-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 ARG2 concentration since ARG2 from samples and ARG2-HRP conjugate compete for the anti-ARG2 antibody binding site. Since the number of sites is limited, as more sites are occupied by ARG2 from the sample, fewer sites are left to bind ARG2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ARG2 concentration in each sample is interpolated from this standard curve.

## NCBI AND UNIPROT INFORMATION

|                           |                             |
|---------------------------|-----------------------------|
| NCBI GI #                 | 638263160                   |
| NCBI GeneID               | 103175210                   |
| NCBI Accession #          | NP_001279186.1              |
| NCBI GenBank Nucleotide # | NM_001292257.1              |
| NCBI Official Full Name   | arginase 2                  |
| NCBI Official Symbol      | arg2                        |
| NCBI Protein Information  | arginase 2; arginase type 2 |

**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/bovine-ovine-elisa-kits/arginase-2-arg2/245605>