

## Bovine Rho GDP Dissociation Inhibitor Alpha ELISA Kit | ARHGDIA elisa kit

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CATALOG #  
**AAA90950**

REACTIVITY  
**Bovine**

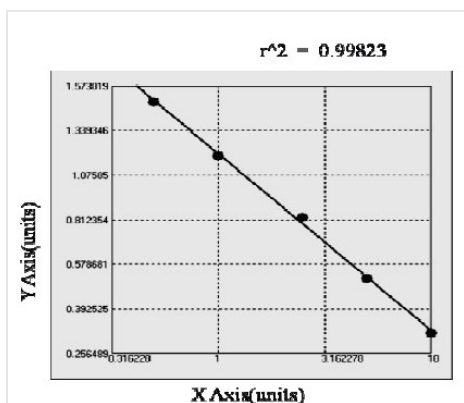
### PRODUCT SYNONYMS

Rho GDP Dissociation Inhibitor Alpha; Bovine Rho GDP Dissociation Inhibitor Alpha ELISA Kit; ARHGDIA elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Bovine                                                                                                                                                                                        |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate                                                                                                                    |
| Assay Type              | Competitive                                                                                                                                                                                   |
| Sensitivity             | 1.0 ng/mL.                                                                                                                                                                                    |
| Intended Uses           | This ARHGDIA ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine ARHGDIA. 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 ARHGDIA elisa kit

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

## NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                       |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 48145671                                                                                                                              |
| NCBI GeneID                      | 396                                                                                                                                   |
| UniProt Accession #              | P52565; Q6IBM5; A8MXW0; B2R5X1; B4DDD3; B4DUV9                                                                                        |
| Molecular Weight                 | 18,233 Da                                                                                                                             |
| NCBI Official Full Name          | ARHGDIA                                                                                                                               |
| NCBI Official Synonym Full Names | Rho GDP dissociation inhibitor (GDI) alpha                                                                                            |
| NCBI Official Symbol             | ARHGDIA                                                                                                                               |
| NCBI Official Synonym Symbols    | GDIA1; NPHS8; RHOGDI; RHOGDI-1; HEL-S-47e                                                                                             |
| NCBI Protein Information         | rho GDP-dissociation inhibitor 1; GDP-dissociation inhibitor, alysia RAS-related 1; epididymis secretory sperm binding protein Li 47e |
| UniProt Protein Name             | Rho GDP-dissociation inhibitor 1                                                                                                      |
| UniProt Gene Name                | <b>ARHGDIA</b>                                                                                                                        |
| UniProt Synonym Gene Names       | GDIA1; Rho GDI 1                                                                                                                      |
| UniProt Entry Name               | GDIR1_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://stage.aaabiotech.com/arhgdia-bovine-ovine-elisa-kits/rho-gdp-dissociation-inhibitor-alpha/90950>