

## Chicken Actin Gamma 1 ELISA Kit | ACTg1 elisa kit

Chicken Actin Gamma 1 ELISA Kit

CATALOG #  
**AAA93854**

REACTIVITY  
**Chicken**

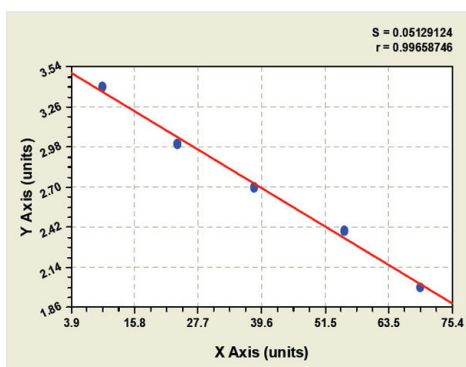
### PRODUCT SYNONYMS

Actin Gamma 1; Chicken Actin Gamma 1 ELISA Kit; ACTg1 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                            |
|-------------------------|----------------------------------------------------------------------------|
| Reactivity              | Chicken                                                                    |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate |
| Assay Type              | Competitive                                                                |
| Sensitivity             | 1.0 pg/mL.                                                                 |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                        |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for ACTg1 elisa kit

**Intended Uses:** This ACTg1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken ACTg1. This ELISA kit for research use only!

**Principle of the Assay:** ACTg1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ACTg1 antibody and an ACTg1-HRP conjugate. The assay sample and buffer are incubated together with ACTg1-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 ACTg1 concentration since ACTg1 from samples and ACTg1-HRP conjugate compete for the anti-ACTg1 antibody binding site. Since the number of sites is limited, as more sites are occupied by ACTg1 from the sample, fewer sites are left to bind ACTg1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ACTg1 concentration in each sample is interpolated from this standard curve.

#### Product Categories/Family for ACTg1 elisa kit

Cardiovascular

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                |
|----------------------------------|--------------------------------------------------------------------------------|
| NCBI GI #                        | 316659409                                                                      |
| NCBI GeneID                      | 71                                                                             |
| NCBI Accession #                 | NP_001186883.1                                                                 |
| NCBI GenBank Nucleotide #        | NM_001199954.1                                                                 |
| Molecular Weight                 | 41,793 Da                                                                      |
| NCBI Official Full Name          | actin, cytoplasmic 2                                                           |
| NCBI Official Synonym Full Names | actin, gamma 1                                                                 |
| NCBI Official Symbol             | ACTG1                                                                          |
| NCBI Official Synonym Symbols    | ACT; ACTG; BRWS2; DFNA20; DFNA26; HEL-176                                      |
| NCBI Protein Information         | actin, cytoplasmic 2; cytoskeletal gamma-actin; epididymis luminal protein 176 |
| UniProt Protein Name             | Actin, cytoplasmic 2                                                           |
| UniProt Gene Name                | <b>ACTG1</b>                                                                   |
| UniProt Synonym Gene Names       | ACTB; ACTG                                                                     |
| UniProt Entry Name               | ACTG_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/actg1-chicken-elisa-kits/actin-gamma-1/93854>