

## Bovine Immunoglobulin G2 ELISA Kit | IgG2 elisa kit

Bovine Immunoglobulin G2 (IgG2) (Competitive ELISA) ELISA Kit

CATALOG #  
**AAA190064**

REACTIVITY  
**Bovine**

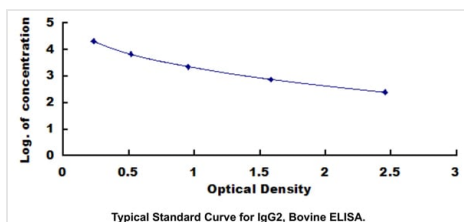
### PRODUCT SYNONYMS

Immunoglobulin G2; Bovine Immunoglobulin G2 (IgG2) (Competitive ELISA) ELISA Kit; IGHG2; Ig Gamma-2 Chain C Region; Immunoglobulin Heavy Constant Gamma 2; G2m Marker; Immunoglobulin Gm2; ELISA Kit for Immunoglobulin G2 (IgG2); IgG2 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                          |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Bovine                                                                                                                                                                                                   |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of IgG2. No significant cross-reactivity or interference between IgG2 and analogues was observed.                                |
| Assay Type              | Quantitative Competitive                                                                                                                                                                                 |
| Samples                 | Bovine serum, plasma and other biological fluids                                                                                                                                                         |
| Detection Range         | 246.9-20,000ng/mL                                                                                                                                                                                        |
| Sensitivity             | < 97.3ng/mL                                                                                                                                                                                              |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level IgG2 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%                                   |
| Inter-assay Precision   | Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level IgG2 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12% |
| Preparation and Storage | 4 degree C for 1 month/ -20 degree C for long-term(within shelf life). Shelf life is one year                                                                                                            |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for IgG2 elisa kit

**Principle of the Assay:** This assay employs the competitive inhibition enzyme immunoassay technique. An antibody specific to IgG2 has been pre-coated onto a microplate. A competitive inhibition reaction is launched between Horseradish Peroxidase (HRP) labeled IgG2 and unlabeled IgG2 (Standards or samples) with the pre-coated antibody specific to IgG2. After incubation the unbound conjugate is washed off. The amount of bound HRP conjugate is reverse proportional to the concentration of IgG2 in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of IgG2 in the sample.

**Intended Uses:** The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of IgG2 in bovine serum, plasma and other biological fluids.

**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/igg2-bovine-ovine-elisa-kits/immunoglobulin-g2/190064>