

## IGG1 assay kit

IGG1 Immunoassay

CATALOG #  
**AAA71853**

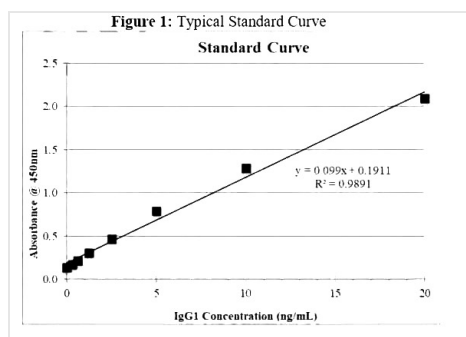
### PRODUCT SYNONYMS

IGG1; IGG1 Immunoassay; IGG1 assay kit

### PRODUCT SPECIFICATIONS

|                         |                                             |
|-------------------------|---------------------------------------------|
| Assay Type              | Sandwich                                    |
| Preparation and Storage | Store at 4 degree C<br>Shelf life: 6 Months |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for IGG1 assay kit

Background: Recombinant human monoclonal antibodies have become a major focus of new drug discovery in the Pharmaceutical and Biotech industries, with hundreds of new human monoclonal antibodies currently in preclinical development. Fully human recombinant antibodies have gradually replaced humanized mouse or rat antibodies, with IgG1 and IgG4 as the preferred engineered isotypes<sup>2</sup>. As part of the developmental process, human therapeutic antibody drug candidate molecules must be tested in non-human primate species to assess their pharmacokinetic profile and potential toxicity<sup>3</sup>. Primate and human antibodies are highly homologous, making it difficult to distinguish the human antibody drug candidate from the endogenous primate antibodies in a serum or plasma sample by traditional human IgG-specific immunoassays. Therefore, we developed two highly sensitive ELISAs that distinguish human IgG1 or human IgG4 from rhesus or cynomolgus monkey immunoglobulins. This Recombinant (Therapeutic) Human IgG1 ELISA can be used to accurately quantify human IgG1 in the serum or plasma of rhesus or cynomolgus monkeys without cross reacting with antibodies of those species. This same ELISA can also be used to quantify human IgG1 in the plasma of other preclinical test species (mouse, rat, rabbit, guinea pig, etc.) if desired. This assay is supplied with a recombinant human IgG1 kappa allotype G1m17.1 standard. The customer may wish to substitute their own specific drug candidate IgG1 for this standard in the assay.

Principle of the Assay: This is a sandwich enzyme-linked immunosorbent assay (ELISA). The plate is pre-coated with anti-Human IgG Antibody and blocked, ready for the addition of samples and standards. The assay should take approximately 3 hours to run, plus any required sample preparation time.

**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.

