

IGG4 assay kit

IGG4 Immunoassay

CATALOG #
AAA71854

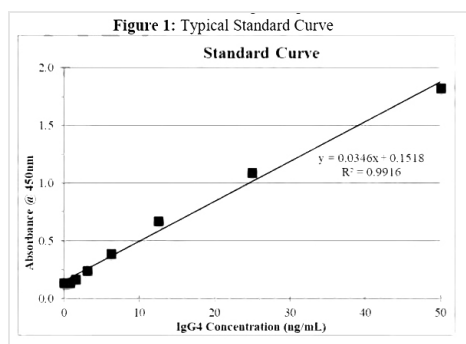
PRODUCT SYNONYMS

IGG4; IGG4 Immunoassay; IGG4 assay kit

PRODUCT SPECIFICATIONS

Assay Type	Sandwich
Preparation and Storage	Store at 4 degree C Shelf life: 6 Months

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IGG4 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 isotypes². 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 toxicity³. 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 IgG4 ELISA can be used to accurately quantify human IgG4 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 IgG4 in the plasma of other preclinical test species (mouse, rat, rabbit, guinea pig, etc.) if desired. This assay is supplied with a recombinant human IgG4 kappa standard. The customer may wish to substitute their own specific drug candidate IgG4 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.

