

## Human IgG total ELISA Kit | IgG elisa kit

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CATALOG #  
**AAA313153**

REACTIVITY  
**Human**

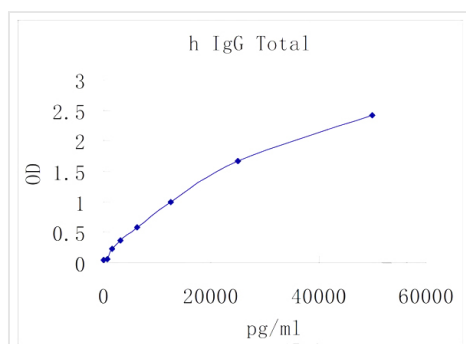
### PRODUCT SYNONYMS

IgG total; Human IgG total ELISA Kit; IgG elisa kit

### PRODUCT SPECIFICATIONS

|             |                                                                     |
|-------------|---------------------------------------------------------------------|
| Reactivity  | Human                                                               |
| Specificity | This assay recognizes both natural and recombinant human IgG total. |
| Assay Type  | Quantitative Sandwich                                               |
| Samples     | Cell culture supernates, serum, and plasma                          |
| Sensitivity | 0.39ng/mL                                                           |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for IgG elisa kit

**Background:** Immunoglobulin G (IgG) is a type of antibody. Representing approximately 75% of serum antibodies in humans, IgG is the most common type of antibody found in blood circulation. IgG molecules are created and released by plasma B cells. Each IgG has two antigen binding sites. IgG are involved in the regulation of allergic reactions. According to Finkelman, there are two pathways of systemic anaphylaxis: antigens can cause systemic anaphylaxis in mice through classic pathway by cross-linking IgE bound to the mast cell receptor FcepsilonRI, stimulating the release of both histamine and platelet activating factor (PAF). In the alternative pathway antigens form complexes with IgG, which then cross-link macrophage receptor FcgammaRIII and stimulates only PAF release. Human IgG is the major immunoglobulin in blood and plays a key role in the humoral immune response.

**Principle of the Assay:** This assay employs the quantitative sandwich enzyme immunoassay technique. A monoclonal antibody specific for IgG total has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any IgG total present is bound by the immobilized antibody. Following incubation unbound samples are removed during a wash step, and then the HRP-Conjugate anti-human IgG total monoclonal antibody is added to the wells and binds to the combination of capture antibody/IgG total in sample. Following incubation and wash steps a substrate is added. A coloured product is formed in proportion to the amount of IgG total present in the sample. The reaction is terminated by addition of acid and absorbance is measured at 450nm. A standard curve is prepared from seven IgG total standard dilutions and IgG total sample concentration determined.

**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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)

Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/igg-total/313153>