

Human Immunoglobulin G1 (IgG1) ELISA Kit | IgG1 elisa kit

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CATALOG #
AAA136311

REACTIVITY
Human

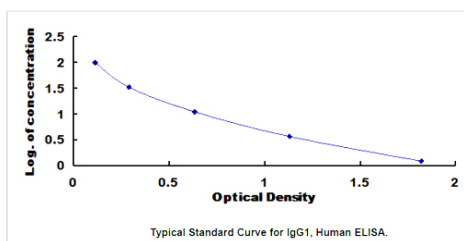
PRODUCT SYNONYMS

Immunoglobulin G1 (IgG1); Human Immunoglobulin G1 (IgG1) ELISA Kit; IgG1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Immunoglobulin G1 (IgG1) No significant cross-reactivity or interference between Immunoglobulin G1 (IgG1) and analogues was observed.
Samples	Serum, plasma and other biological fluids
Assay Type	Competitive
Detection Range	1.23-100ug/mL The standard curve concentrations used for the ELISA's were 100ug/mL, 33.33ug/mL, 11.11ug/mL, 3.7ug/mL, 1.23ug/mL
Sensitivity	Typically less than 0.52ug/mL.
Organism Species	Homo sapiens (Human)
ELISA Type	Competitive
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Immunoglobulin G1 (IgG1) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Immunoglobulin G1 (IgG1) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IgG1 elisa kit	This assay employs the competitive inhibition enzyme immunoassay technique. An antibody specific for Immunoglobulin G1 (IgG1) has been pre-coated onto a microplate. A competitive inhibition reaction is launched between Horseradish Peroxidase (HRP) labeled Immunoglobulin G1 (IgG1) and unlabeled Immunoglobulin G1 (IgG1) (Standards or samples) with the pre-coated antibody specific for Immunoglobulin G1 (IgG1). After incubation the unbound conjugate is washed off. The amount of bound HRP conjugate is reverse proportional to the concentration of Immunoglobulin G1 (IgG1) in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of Immunoglobulin G1 (IgG1) in the sample.
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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/human-elisa-kits/immunoglobulin-g1-igg1/136311>