

Mouse Immunoglobulin G1 ELISA Kit | IgG1 elisa kit

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CATALOG #
AAA85492

REACTIVITY
Mouse

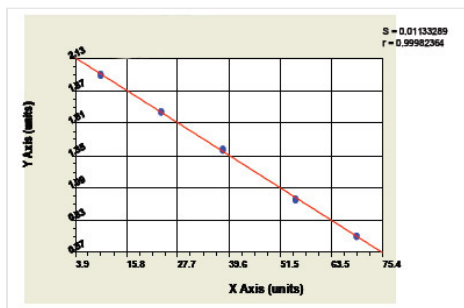
PRODUCT SYNONYMS

Immunoglobulin G1; Mouse Immunoglobulin G1 ELISA Kit; IgG1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10mg/mL
Sensitivity	0.1mg/mL
Intended Uses	This IgG1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse IgG1. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IgG1 elisa kit

Principle of the Assay: IgG1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-IgG1 antibody and an IgG1-HRP conjugate. The assay sample and buffer are incubated together with IgG1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the IgG1 concentration since IgG1 from samples and IgG1-HRP conjugate compete for the anti-IgG1 antibody binding site. Since the number of sites is limited, as more sites are occupied by IgG1 from the sample, fewer sites are left to bind IgG1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The IgG1 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for IgG1 elisa kit

[Immunology](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	381145024
NCBI Official Full Name	immunoglobulin G1 Fc region, partial

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://www.aaabiotech.com/igg1-mouse-elisa-kits/immunoglobulin-g1/85492>