

Rat Immunoglobulin G2 ELISA Kit | IgG2 elisa kit

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CATALOG #
AAA95101

REACTIVITY
Rat

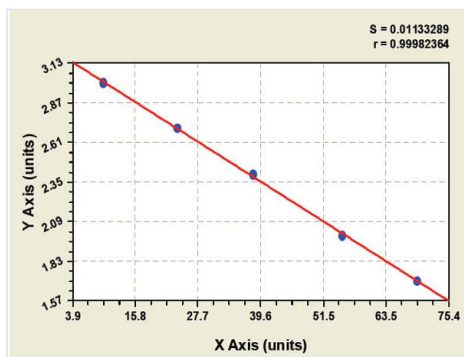
PRODUCT SYNONYMS

Immunoglobulin G2; Rat Immunoglobulin G2 ELISA Kit; IgG2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	50-1000?g/mL
Sensitivity	1.0?g/ml
Intended Uses	This IgG2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat IgG2. This ELISA kit for research use only, not for therapeutic applications
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Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IgG2 elisa kit	Principle of the Assay: IgG2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-IgG2 antibody and an IgG2-HRP conjugate. The assay sample and buffer are incubated together with IgG2-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 IgG2 concentration since IgG2 from samples and IgG2-HRP conjugate compete for the anti-IgG2 antibody binding site. Since the number of sites is limited, as more sites are occupied by IgG2 from the sample, fewer sites are left to bind IgG2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The IgG2 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for IgG2 elisa kit	Immunology

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
Online datasheet: <https://stage.aaabiotech.com/igg2-rat-elisa-kits/immunoglobulin-g2/95101>