

Rat Immunoglobulin 2alpha ELISA Kit | IgG2alpha elisa kit

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CATALOG #
AAA86069

REACTIVITY
Rat

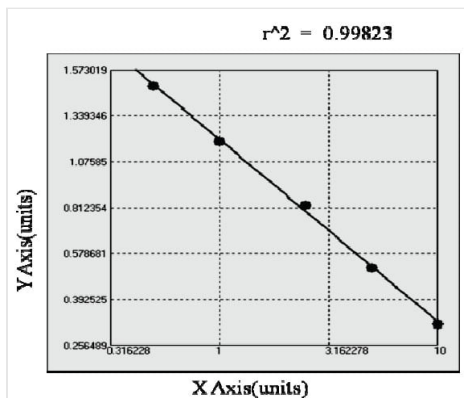
PRODUCT SYNONYMS

Immunoglobulin 2alpha; Rat Immunoglobulin 2alpha ELISA Kit; Rat Immunoglobulin 2a ELISA Kit; IgG2alpha 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 IgG2alpha ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat IgG2alpha. 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 IgG2alpha elisa kit

Principle of the assay: IgG2alpha ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-IgG2alpha antibody and an IgG2alpha-HRP conjugate. The assay sample and buffer are incubated together with IgG2alpha-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 IgG2alpha concentration since IgG2alpha from samples and IgG2alpha-HRP conjugate compete for the anti-IgG2alpha antibody binding site. Since the number of sites is limited, as more sites are occupied by IgG2alpha from the sample, fewer sites are left to bind IgG2alpha-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The IgG2alpha concentration in each sample is interpolated from this standard curve.

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/igg2alpha-rat-elisa-kits/immunoglobulin-2alpha/86069>