

Rat Glucocorticoid receptor-alpha ELISA Kit | GR-alpha elisa kit

Rat Glucocorticoid receptor-alpha ELISA Kit

CATALOG #
AAA86740

REACTIVITY
Rat

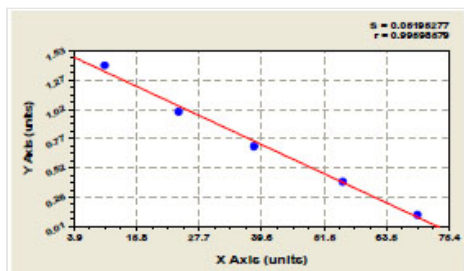
PRODUCT SYNONYMS

Glucocorticoid receptor-alpha; Rat Glucocorticoid receptor-alpha ELISA Kit; Rat Glucocorticoid receptor-a ELISA Kit; GR-alpha elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/ml
Intended Uses	This GRalpha ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat GRalpha. 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 GR-alpha elisa kit

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

Product Categories/Family for GR-alpha elisa kit

[Signal Transduction](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504133
NCBI GeneID	2908
NCBI Accession #	NP_000167.1
NCBI GenBank Nucleotide #	NM_000176.2
NCBI Official Full Name	glucocorticoid receptor isoform alpha

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/gr-alpha-rat-elisa-kits/glucocorticoid-receptor-alpha/86740>