

Rat Glucocorticoid receptor ELISA Kit | GR elisa kit

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CATALOG #
AAA96302

REACTIVITY
Rat

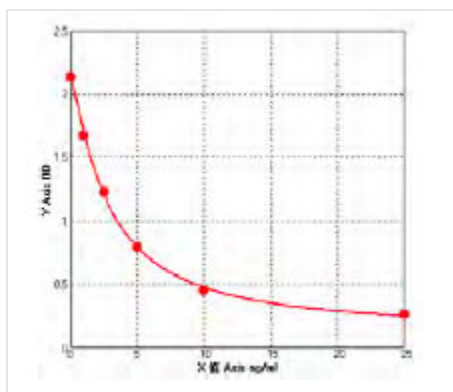
PRODUCT SYNONYMS

Glucocorticoid receptor; Rat Glucocorticoid receptor ELISA Kit; GR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GR elisa kit

Intended Uses: This GR ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse GR. This ELISA kit for research use only!

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	239758
NCBI GeneID	2908
Molecular Weight	82,904 Da
NCBI Official Full Name	glucocorticoid receptor, partial
NCBI Official Synonym Full Names	nuclear receptor subfamily 3, group C, member 1 (glucocorticoid receptor)
NCBI Official Symbol	NR3C1
NCBI Official Synonym Symbols	GR; GCR; GRL; GCCR; GCRST
NCBI Protein Information	glucocorticoid receptor; glucocorticoid nuclear receptor variant 1
UniProt Protein Name	Glucocorticoid receptor
UniProt Gene Name	NR3C1
UniProt Synonym Gene Names	GRL; GR
UniProt Entry Name	GCR_HUMAN

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/gr-rat-elisa-kits/glucocorticoid-receptor/96302>