

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

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CATALOG #
AAA87299

REACTIVITY
Rat

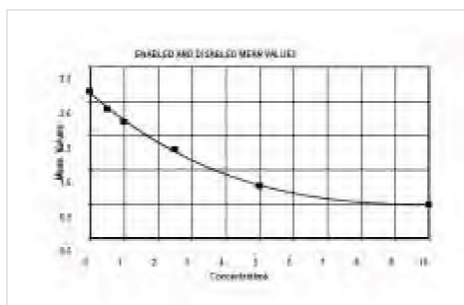
PRODUCT SYNONYMS

glucocorticoid receptor-alpha; Rat glucocorticoid receptor-alpha ELISA Kit; glucocorticoid receptor-a; glucocorticoid receptor-alpha (Rat); GR-alpha elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Cell culture fluid, body fluid, tissue homogenate, serum and blood plasma
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

For Samples: Cell culture fluid, body fluid, tissue homogenate, serum and blood plasma

Intended Uses: This GR-A ELISA kit is intended for laboratory research use only. The stop solution changes the color from blue to yellow and the intensity of the color is measured at 450 nm using a spectrophotometer. In order to measure the concentration of GR-A in the sample, this GR-A ELISA Kit includes a set of calibration standards. The calibration standards are assayed at the same time as the samples and allow the operator to produce a standard curve of Optical Density versus GR-A concentration. The concentration of in the samples is then determined by comparing the O.D. of the samples to the standard curve.

Principle of the Assay: The coated well immunoassay for the quantitative measurement of GR-A utilizes a monoclonal anti-GR-A antibody and an GR-A-HRP conjugate. The assay sample and buffer are incubated together with GR-A-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-A concentration since GR-A from samples and GR-A-HRP conjugate compete for the anti-GR-A antibody binding site. Since the number of sites is limited, as more sites are occupied by GR-A from the sample, fewer sites are left to bind GR-A-HRP conjugate. Standards of known GR-A concentrations are run concurrently with the samples being assayed and a standard curve is plotted relating the intensity of the color (Optical Density) to the concentration of GR-A. The GR-A concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	38639409
NCBI GeneID	281946
UniProt Accession #	Q865Y6; Q28023; Q3HUQ5; Q3T0X1
Molecular Weight	64,824 Da
NCBI Official Full Name	glucocorticoid receptor alpha
NCBI Official Symbol	NR3C1
NCBI Official Synonym Symbols	GR-A
NCBI Protein Information	glucocorticoid receptor; glucocorticoid receptor alpha
UniProt Protein Name	Glucocorticoid receptor alpha
UniProt Entry Name	Q865Y6_BOVIN

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.