

Rat GRalpha ELISA Kit | GRalpha elisa kit

Rat GRalpha (Glucocorticoid Receptor alpha) ELISA Kit

CATALOG #
AAA163933

REACTIVITY
Rat

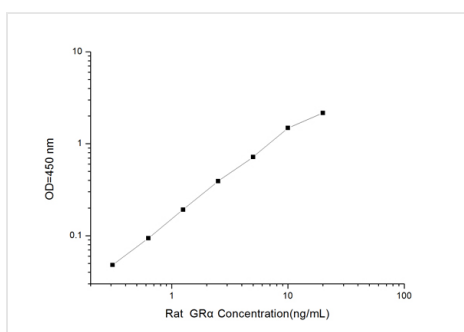
PRODUCT SYNONYMS

GRalpha; Rat GRalpha (Glucocorticoid Receptor alpha) ELISA Kit; GRalpha elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This kit recognizes Rat GRalpha in samples. No significant cross-reactivity or interference between Rat GRalpha and analogues was observed.
Sequence Length	777
Samples	Serum, plasma and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.31-20ng/mL
Sensitivity	0.19ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Rat GRalpha were tested 20 times on one plate, respectively.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, mid range and high level Rat GRalpha were tested on 3 different plates, 20 replicates in each plate.
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GRalpha elisa kit	Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Rat GRalpha concentrations in serum, plasma and other biological fluids. Principle of the Assay: This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Rat GRalpha. Standards or samples are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Rat GRalpha and Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Rat GRalpha, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The OD value is proportional to the concentration of Rat GRalpha. You can calculate the concentration of Rat GRalpha in the samples by comparing the OD of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4504133
NCBI GeneID	2908
NCBI Accession #	NP_000167.1
NCBI GenBank Nucleotide #	NM_000176.2
UniProt Accession #	P04150; P04151; Q53EP5; Q6N0A4; A0ZXF9; B0LPG8; D3DQF4
Molecular Weight	82,904 Da
NCBI Official Full Name	glucocorticoid receptor isoform alpha
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.