

Rat Glutathione Reductase ELISA Kit | GR elisa kit

Rat Glutathione Reductase ELISA Kit

CATALOG # AAA85384	REACTIVITY Rat
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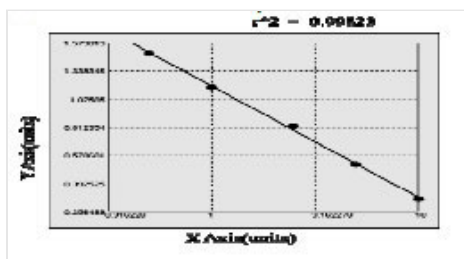
PRODUCT SYNONYMS

Glutathione Reductase; Rat Glutathione Reductase ELISA Kit; GR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/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 Rat GR. This ELISA kit for research use only! Principle of the Assay GR ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	15232559
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NCBI GeneID	824631
NCBI Accession #	NP_191026.1
NCBI GenBank Nucleotide #	NM_115323.3
Molecular Weight	60,852 Da
NCBI Official Full Name	glutathione reductase
NCBI Official Symbol	GR
NCBI Official Synonym Symbols	ATGR2; EMB2360; glutathione reductase; GR
NCBI Protein Information	glutathione reductase
UniProt Protein Name	Glutathione reductase, chloroplastic
UniProt Gene Name	EMB2360
UniProt Synonym Gene Names	At3g54660; T5N23_20; GR; GRase
UniProt Entry Name	GSHRP_ARATH

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-rat-elisa-kits/glutathione-reductase/85384>