

Human Glutathione Reductase ELISA Kit | GR elisa kit

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CATALOG #
AAA87954

REACTIVITY
Human

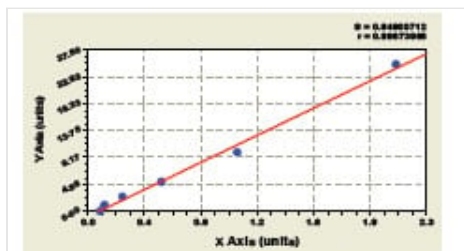
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive or Sandwich
Detection Range	1.0-25ng/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 Human GR. This ELISA kit for research use only!

Principle of the Assay: GR ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for GR. Standards or samples are then added to the microtiter plate wells and GR if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of GR present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for GR are added to each well to "sandwich" the GR immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain GR and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. 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 #	15232559
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-human-elisa-kits/glutathione-reductase/87954>