

Human glutathione reductase ELISA Kit | GSR elisa kit

Human Glutathione Reductase, GR ELISA Kit

CATALOG #
AAA80028

REACTIVITY
Human

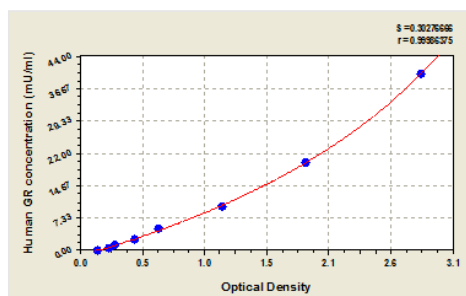
PRODUCT SYNONYMS

glutathione reductase; Human Glutathione Reductase; GR ELISA Kit; Human Glutathione Reductase (GR) ELISA Kit; MGC78522; ; GSR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human GR. No significant cross-reactivity or interference between human GR and analogues was observed.
Sequence Length	522
Samples	Serum, plasma, tissue homogenates
Assay Type	Sandwich
Detection Range	0.625 mU/ml -40 mU/ml.
Sensitivity	The minimum detectable dose of human GR is typically less than 0.156 mU/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GSR elisa kit	Principle of the assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for GR has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any GR present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for GR is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of GR bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	50301238
NCBI GeneID	2936
NCBI Accession #	NP_000628.2
NCBI GenBank Nucleotide #	NM_000637.3
UniProt Accession #	P00390; Q7Z5C9; Q9NP63; C8KIL8; C8KIL9; C8KIM0; D3DSV3
Molecular Weight	56,257 Da
NCBI Official Full Name	glutathione reductase, mitochondrial isoform 1
NCBI Official Synonym Full Names	glutathione reductase
NCBI Official Symbol	GSR
NCBI Official Synonym Symbols	HEL-75
NCBI Protein Information	glutathione reductase, mitochondrial; GR; GRase; epididymis luminal protein 75
UniProt Protein Name	Glutathione reductase, mitochondrial
UniProt Gene Name	GSR
UniProt Synonym Gene Names	GLUR; GRD1; GR; GRase
UniProt Entry Name	GSHR_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.

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Online datasheet: <https://stage.aaabiotech.com/gsr-human-elisa-kits/glutathione-reductase/80028>