

Mouse glucose phosphate isomerase ELISA Kit | GPI elisa kit

Mouse Glucose-6-phosphate isomerase, GPI ELISA Kit

CATALOG #
AAA112314

REACTIVITY
Mouse

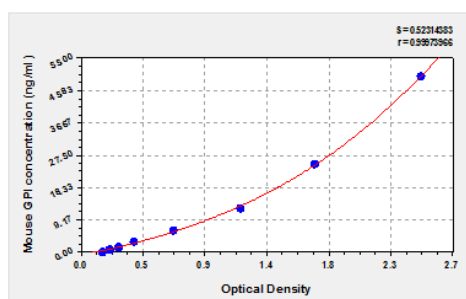
PRODUCT SYNONYMS

glucose phosphate isomerase; Mouse Glucose-6-phosphate isomerase; GPI ELISA Kit; Mouse Glucose-6-phosphate isomerase (GPI) ELISA kit; AMF; GNPI; NLK; PGI; PHI; SA36; autocrine motility factor; glucose-6-phosphate isomerase; hexose monophosphate isomerase; hexosephosphate isomerase; neuroleukin; oxoisomerase; phosphoglucose isomerase; pho; GPI elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of mouse GPI. No significant cross-reactivity or interference between mouse GPI and analogues was observed.
Sequence Length	558
Samples	Serum, plasma, tissue homogenates
Assay Type	Sandwich
Detection Range	0.78 ng/ml -50 ng/ml.
Sensitivity	The minimum detectable dose of mouse GPI is typically less than 0.195 ng/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 GPI elisa kit	Principle of the assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for GPI has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any GPI present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for GPI 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 GPI 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 #	254553458
NCBI GeneID	14751
NCBI Accession #	NP_032181.2
NCBI GenBank Nucleotide #	NM_008155.4
UniProt Accession #	P06745; O89062; Q3TEE7; Q3TW50; Q3UUX1; Q3UY84; Q3UZJ1; Q5RJ13; Q8C675; Q9JM07
Molecular Weight	62,767 Da
NCBI Official Full Name	glucose-6-phosphate isomerase
NCBI Official Synonym Full Names	glucose phosphate isomerase 1
NCBI Official Symbol	Gpi1
NCBI Official Synonym Symbols	MF; NK; Amf; Gpi; Nlk; Org; Pgi; Phi; Gpi-1; Gpi1s; Gpi-1r; Gpi-1s; Gpi-1t; Gpi1-r; Gpi1-s; Gpi1-t; NK/GPI
NCBI Protein Information	glucose-6-phosphate isomerase; neuroleukin; maturation factor; phosphohexose isomerase; phosphoglucose isomerase; autocrine motility factor; glucose phosphate isomerase 1 complex; glucose phosphate isomerase 1, temporal; glucose phosphate isomerase 1, regulatory; glucose phosphate isomerase 1, structural
UniProt Protein Name	Glucose-6-phosphate isomerase
UniProt Gene Name	Gpi
UniProt Synonym Gene Names	Gpi1; GPI; AMF; NLK; PGI; PHI
UniProt Entry Name	G6PI_MOUSE

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.