

Mouse Glycogen Phosphorylase Isoenzyme BB ELISA Kit | GPBB elisa kit

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CATALOG #
AAA87702

REACTIVITY
Mouse

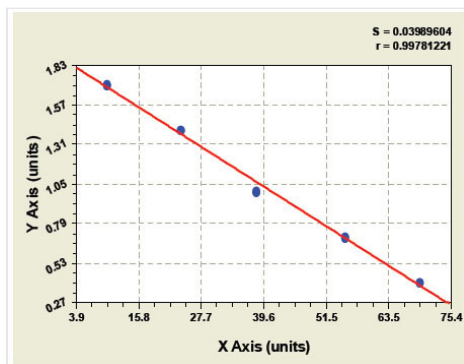
PRODUCT SYNONYMS

Glycogen Phosphorylase Isoenzyme BB; Mouse Glycogen Phosphorylase Isoenzyme BB ELISA Kit; GPBB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	2.5-50ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This GPBB ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse GPBB. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GPBB elisa kit

Principle of the assay: GPBB ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-GPBB antibody and an GPBB-HRP conjugate. The assay sample and buffer are incubated together with GPBB-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 GPBB concentration since GPBB from samples and GPBB-HRP conjugate compete for the anti-GPBB antibody binding site. Since the number of sites is limited, as more sites are occupied by GPBB from the sample, fewer sites are left to bind GPBB-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GPBB concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	21361370
NCBI GeneID	5834
NCBI Accession #	NP_002853.2
NCBI GenBank Nucleotide #	NM_002862.3
Molecular Weight	96,696 Da
NCBI Official Full Name	glycogen phosphorylase, brain form
NCBI Official Synonym Full Names	phosphorylase, glycogen; brain
NCBI Official Symbol	PYGB
NCBI Official Synonym Symbols	GPBB
NCBI Protein Information	glycogen phosphorylase, brain form; glycogen phosphorylase B
UniProt Protein Name	Glycogen phosphorylase, brain form
UniProt Gene Name	PYGB
UniProt Entry Name	PYGB_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/gpbb-mouse-elisa-kits/glycogen-phosphorylase-Isoenzyme-bb/87702>