

Canine Glycogen Phosphorylase Isoenzyme BB ELISA Kit | GPBB elisa kit

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CATALOG #
AAA88708

REACTIVITY
Canine

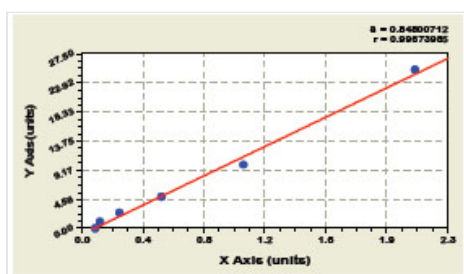
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Canine
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 Canine GPBB. This ELISA kit for research use only, not for therapeutic applications
Intra-assay Precision	This assay has high sensitivity and excellent specificity for detection of GPBB. No significant cross-reactivity or interference between GPBB and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between GPBB and all the analogues, therefore, cross reaction may still exist in some cases.
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 quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for GPBB. Standards or samples are then added to the microtiter plate wells and GPBB if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of GPBB present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for GPBB are added to each well to “sandwich” the GPBB 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 GPBB 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 GPBB concentration in each sample is interpolated from this standard curve.
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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.

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Online datasheet: <https://stage.aaabiotech.com/gpbb-canine-elisa-kits/glycogen-phosphorylase-isoenzyme-bb/88708>