

Canine Phosphoglycerate Mutase 2 ELISA Kit | PGAM2 elisa kit

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CATALOG #
AAA92432

REACTIVITY
Canine

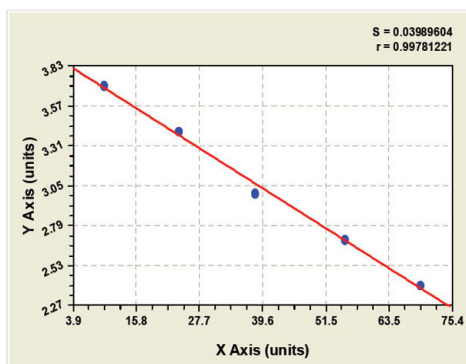
PRODUCT SYNONYMS

Phosphoglycerate Mutase 2; Canine Phosphoglycerate Mutase 2 ELISA Kit; PGAM2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	250-5000pg/mL
Sensitivity	1.0pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PGAM2 elisa kit	For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate Intended Use This PGAM2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine PGAM2. This ELISA kit for research use only! PRINCIPLE OF THE ASSAY PGAM2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-PGAM2 antibody and an PGAM2-HRP conjugate. The assay sample and buffer are incubated together with PGAM2-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 PGAM2 concentration since PGAM2 from samples and PGAM2-HRP conjugate compete for the anti-PGAM2 antibody binding site. Since the number of sites is limited, as more sites are occupied by PGAM2 from the sample, fewer sites are left to bind PGAM2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PGAM2 concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	50593010
NCBI GeneID	5224
NCBI Accession #	NP_000281.2
NCBI GenBank Nucleotide #	NM_000290.3
Molecular Weight	28,766 Da
NCBI Official Full Name	phosphoglycerate mutase 2
NCBI Official Synonym Full Names	phosphoglycerate mutase 2 (muscle)
NCBI Official Symbol	PGAM2
NCBI Official Synonym Symbols	GSD10; PGAMM; PGAM-M
NCBI Protein Information	phosphoglycerate mutase 2; BPG-dependent PGAM 2; phosphoglycerate mutase isozyme M; muscle-specific phosphoglycerate mutase
UniProt Protein Name	Phosphoglycerate mutase 2
UniProt Gene Name	PGAM2
UniProt Synonym Gene Names	PGAMM; PGAM-M
UniProt Entry Name	PGAM2_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.