

Canine Phosphoglycerate Mutase 1 ELISA Kit | PGAM1 elisa kit

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CATALOG #
AAA95222

REACTIVITY
Canine

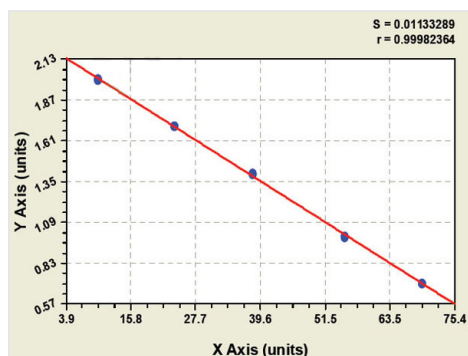
PRODUCT SYNONYMS

Phosphoglycerate Mutase 1; Canine Phosphoglycerate Mutase 1 ELISA Kit; PGAM1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 ng/mL.
Intended Uses	This we are PGAM1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine PGAM1. 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 PGAM1 elisa kit

Principle of the Assay: PGAM1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-PGAM1 antibody and an PGAM1-HRP conjugate. The assay sample and buffer are incubated together with PGAM1-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 PGAM1 concentration since PGAM1 from samples and PGAM1-HRP conjugate compete for the anti-PGAM1 antibody binding site. Since the number of sites is limited, as more sites are occupied by PGAM1 from the sample, fewer sites are left to bind PGAM1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PGAM1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505753
NCBI GeneID	5223
NCBI Accession #	NP_002620.1
NCBI GenBank Nucleotide #	NM_002629.2
Molecular Weight	28,804 Da
NCBI Official Full Name	phosphoglycerate mutase 1
NCBI Official Synonym Full Names	phosphoglycerate mutase 1 (brain)
NCBI Official Symbol	PGAM1
NCBI Official Synonym Symbols	PGAMA; PGAM-B; HEL-S-35
NCBI Protein Information	phosphoglycerate mutase 1; BPG-dependent PGAM 1; phosphoglycerate mutase isozyme B; epididymis secretory protein Li 35; phosphoglycerate mutase A, nonmuscle form
UniProt Protein Name	Phosphoglycerate mutase 1
UniProt Gene Name	PGAM1
UniProt Synonym Gene Names	PGAMA; CDABP0006; PGAM-B
UniProt Entry Name	PGAM1_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/pgam1-canine-elisa-kits/phosphoglycerate-mutase-1/95222>