

Canine Phosphoglucomulase ELISA Kit | PGM elisa kit

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CATALOG #
AAA94798

REACTIVITY
Canine

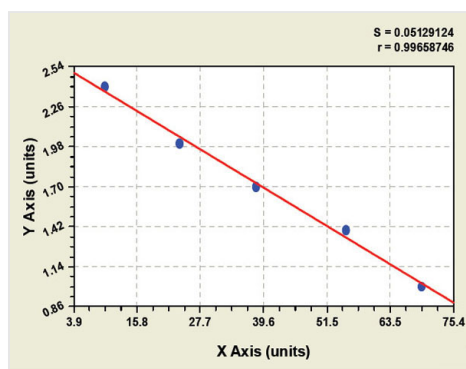
PRODUCT SYNONYMS

Phosphoglucomulase; Canine Phosphoglucomulase ELISA Kit; PGM 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.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PGM elisa kit

Intended Uses: This PGM ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine PGM. This ELISA kit for research use only!

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	223690699
NCBI GeneID	7498993
Molecular Weight	59,505 Da
NCBI Official Full Name	Pgm
NCBI Official Symbol	pgm
NCBI Protein Information	phosphoglucomutase (Glucose phosphomutase) (PGM)
UniProt Protein Name	Pgm
UniProt Gene Name	pgm
UniProt Synonym Gene Names	HRM2_08690
UniProt Entry Name	C0QKB1_DESAH

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://www.aaabiotech.com/pgm-canine-elisa-kits/phosphoglucomulase/94798>