

Canine Mannose Phosphate Isomerase ELISA Kit | MPI elisa kit

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CATALOG #
AAA96507

REACTIVITY
Canine

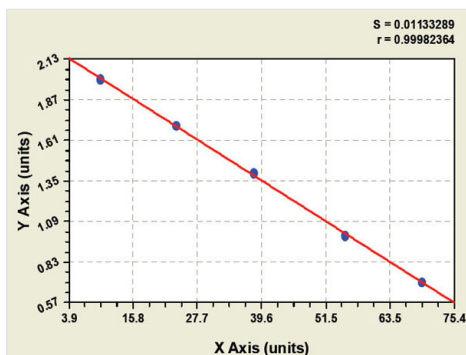
PRODUCT SYNONYMS

Mannose Phosphate Isomerase; Canine Mannose Phosphate Isomerase ELISA Kit; MPI elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Intended Uses	This MPI ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine MPI. This ELISA kit for research use only, not for therapeutic applications
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Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MPI elisa kit

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	7159280
NCBI GeneID	4351
Molecular Weight	39,834 Da
NCBI Official Full Name	mannose phosphate isomerase
NCBI Official Synonym Full Names	mannose phosphate isomerase
NCBI Official Symbol	MPI
NCBI Official Synonym Symbols	PMI; PMI1; CDG1B
NCBI Protein Information	mannose-6-phosphate isomerase; phosphohexomutase; phosphomannose isomerase 1
UniProt Protein Name	Mannose-6-phosphate isomerase
UniProt Gene Name	MPI
UniProt Synonym Gene Names	PMI1; PMI
UniProt Entry Name	MPI_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/mpi-canine-elisa-kits/mannose-phosphate-isomerase/96507>