

Canine Protamine 1 ELISA Kit | PRM 1 elisa kit

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CATALOG #
AAA91399

REACTIVITY
Canine

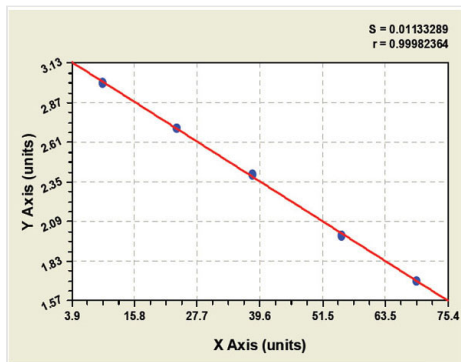
PRODUCT SYNONYMS

Protamine 1; Canine Protamine 1 ELISA Kit; PRM 1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	25-500pg/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 PRM 1 elisa kit
Intended Uses: This PRM 1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine PRM 1. This ELISA kit for research use only!

Principle of the Assay: PRM 1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-PRM 1 antibody and an PRM 1-HRP conjugate. The assay sample and buffer are incubated together with PRM 1-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 PRM 1 concentration since PRM 1 from samples and PRM 1-HRP conjugate compete for the anti-PRM 1 antibody binding site. Since the number of sites is limited, as more sites are occupied by PRM 1 from the sample, fewer sites are left to bind PRM 1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PRM 1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	886876
UniProt Accession #	P04553
Molecular Weight	6,823 Da
NCBI Official Full Name	protamine 1
UniProt Protein Name	Sperm protamine P1
UniProt Gene Name	PRM1
UniProt Entry Name	HSP1_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/prm-1-canine-elisa-kits/protamine-1/91399>