

Canine Polymorphonuclear Elastase ELISA Kit | PMN elisa kit

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CATALOG #
AAA92713

REACTIVITY
Canine

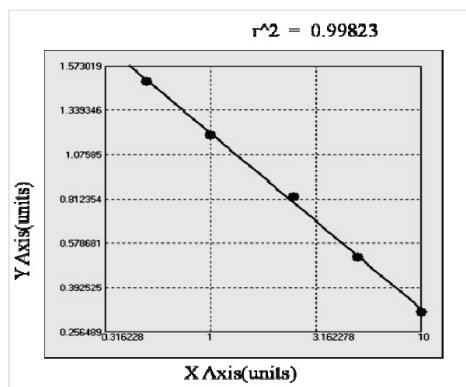
PRODUCT SYNONYMS

Polymorphonuclear Elastase; Canine Polymorphonuclear Elastase ELISA Kit; PMN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This PMN ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine PMN. 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 PMN elisa kit

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

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/pmncanine-elisa-kits/polymorphonuclear-elastase/92713>