

Canine Myeloperoxidase ELISA Kit

Canine Anti-Myeloperoxidase ELISA Kit

CATALOG # AAA247842	REACTIVITY Canine	APPLICATIONS ELISA
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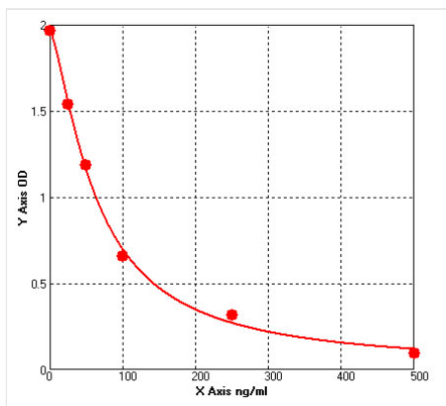
PRODUCT SYNONYMS

Myeloperoxidase; Canine Anti-Myeloperoxidase ELISA Kit; anti-MPO; Myeloperoxidase elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Specificity	This assay has high sensitivity and excellent specificity for detection of MPOAb. No significant cross-reactivity or interference between MPOAb and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between MPOAb and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 ng/mL
Applicable Applications for Myeloperoxidase elisa kit	ELISA
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Myeloperoxidase elisa kit	Principle of the Assay: MPOAb ELISA kit applies the competitive enzyme immunoassay technique utilizing Myeloperoxidase antigen and an MPOAb-HRP conjugate. The assay sample and buffer are incubated together with MPOAb-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 MPOAb concentration since MPOAb from samples and MPOAb-HRP conjugate compete for the Myeloperoxidase antigen binding site. Since the number of sites is limited, as more sites are occupied by MPOAb from the sample, fewer sites are left to bind MPOAb-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MPOAb concentration in each sample is interpolated from this standard curve. Intended Uses: This MPOAb ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine MPOAb. This ELISA kit for research use only, not for therapeutic or test applications!
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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/canine-elisa-kits/myeloperoxidase/247842>