

Canine Thyroid Peroxidase ELISA Kit | TPO elisa kit

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CATALOG #
AAA96815

REACTIVITY
Canine

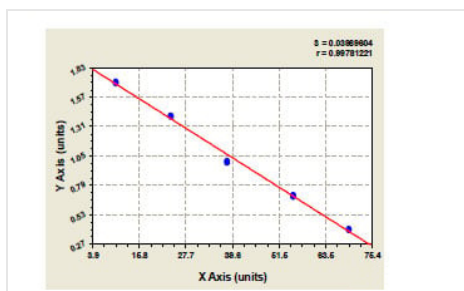
PRODUCT SYNONYMS

Thyroid Peroxidase; Canine Thyroid Peroxidase ELISA Kit; TPO elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Competitive (Quantitative)
Sensitivity	0.1 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



ADDITIONAL INFORMATION

Related Product Information for TPO elisa kit

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

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

NCBI AND UNIPROT INFORMATION

NCBI GI #

4261820

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/tpo-canine-elisa-kits/thyroid-peroxidase/96815>