

Canine ACCPA (Anti-cyclic citrullinated peptide antibody) ELISA Kit | ACCPA elisa kit

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CATALOG #
AAA248910

REACTIVITY
Canine

PRODUCT SYNONYMS

ACCPA (Anti-cyclic citrullinated peptide antibody); Canine ACCPA (Anti-cyclic citrullinated peptide antibody) ELISA Kit; ACCPA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Specificity	This assay has high sensitivity and excellent specificity for detection of TPO-Ab. No significant cross-reactivity or interference between TPO-Ab and analogues was observed.
Assay Type	Sandwich ELISA, Double Antigen
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	1.563-100ng/ml
Sensitivity	0.938ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level TPOAb were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level TPO-Ab were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES

Typical Data & Standard Curve

Results of a typical standard operation of a ACCPA ELISA Kit are listed below. This standard curve was generated at our lab for demonstration purpose only. Users shall obtain standard curve as per experiment by themselves. (N/A=not applicable)

X	ng/ml	0	1.562	3.125	6.25	12.5	25	50	100
Y	OD450	0.004	0.548	0.879	1.368	1.77	1.93	1.984	2.153

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ACCPA elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. TPO was precoated onto 96-well plates. And the Biotin-labeled TPO was used as detection antigen. The standards, test samples and Biotin-labeled TPO were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin Conjugate was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the TPO-Ab amount of sample captured in plate. Read the OD absorbance at 450nm in a microplate reader, and then the concentration of TPO-Ab can be calculated.

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.