

Canine Cyclophilin A ELISA Kit | CYPA elisa kit

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CATALOG #
AAA92438

REACTIVITY
Canine

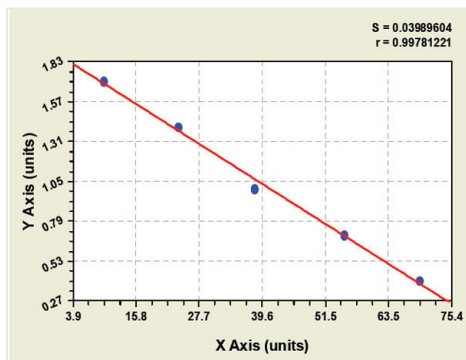
PRODUCT SYNONYMS

Cyclophilin A; Canine Cyclophilin A ELISA Kit; CYPA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	250-5000pg/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 CYPA elisa kit	For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate INTENDED USE This CYPA ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine CYPA. This ELISA kit for research use only! PRINCIPLE OF THE ASSAY CYPA ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CYPA antibody and an CYPA-HRP conjugate. The assay sample and buffer are incubated together with CYPA-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 CYPA concentration since CYPA from samples and CYPA-HRP conjugate compete for the anti-CYPA antibody binding site. Since the number of sites is limited, as more sites are occupied by CYPA from the sample, fewer sites are left to bind CYPA-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CYPA concentration in each sample is interpolated from this standard curve.
Product Categories/Family for CYPA elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	52349059
Molecular Weight	47,342 Da
NCBI Official Full Name	cytochrome P450-like enzyme CypA
UniProt Protein Name	Cytochrome P450-like enzyme
UniProt Gene Name	cypA
UniProt Synonym Gene Names	BL02429; BLi02822
UniProt Entry Name	Q65GX1_BACLD

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/cypa-canine-elisa-kits/cyclophilin-a/92438>