

Canine Acid Phosphatase 1 ELISA Kit | ACP1 elisa kit

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CATALOG #
AAA96837

REACTIVITY
Canine

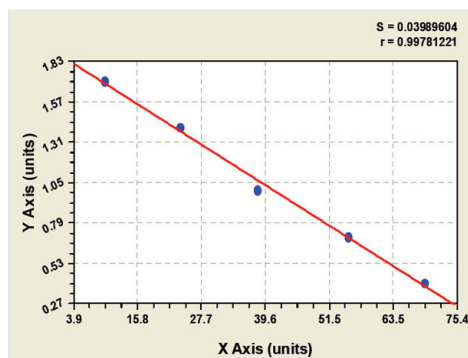
PRODUCT SYNONYMS

Acid Phosphatase 1; Canine Acid Phosphatase 1 ELISA Kit; ACP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	2.5-50ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ACP1 elisa kit

Intended Uses: This ACP1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine ACP1. This ELISA kit for research use only!

Principle of the Assay: ACP1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ACP1 antibody and an ACP1-HRP conjugate. The assay sample and buffer are incubated together with ACP1-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 ACP1 concentration since ACP1 from samples and ACP1-HRP conjugate compete for the anti-ACP1 antibody binding site. Since the number of sites is limited, as more sites are occupied by ACP1 from the sample, fewer sites are left to bind ACP1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ACP1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	350538111
NCBI GeneID	544065
NCBI Accession #	NP_001234071.1
NCBI GenBank Nucleotide #	NM_001247142.1
Molecular Weight	29,433 Da
NCBI Official Full Name	acid phosphatase 1
NCBI Official Symbol	APS1
NCBI Official Synonym Symbols	APS-1
NCBI Protein Information	acid phosphatase 1; apase-1(1)
UniProt Protein Name	Acid phosphatase 1
UniProt Gene Name	APS1
UniProt Synonym Gene Names	APS-1(1)
UniProt Entry Name	PPA1_SOLLC

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/acp1-canine-elisa-kits/acid-phosphatase-1/96837>