

Canine Phospholipase A2, Secreted ELISA Kit | sPLA2 elisa kit

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CATALOG #
AAA88861

REACTIVITY
Canine

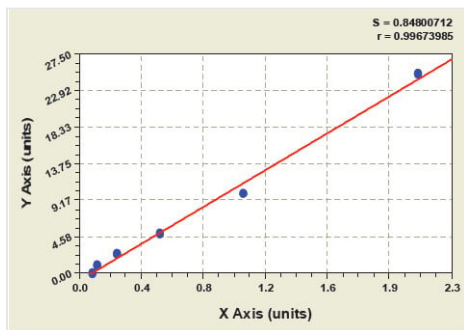
PRODUCT SYNONYMS

Phospholipase A2; Secreted; Canine Phospholipase A2; Secreted ELISA Kit; sPLA2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This sPLA2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine sPLA2. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for sPLA2 elisa kit

Principle of the Assay: sPLA2 ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for sPLA2. Standards or samples are then added to the microtiter plate wells and sPLA2 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of sPLA2 present in the sample, a standardized preparation of horseradish peroxidase (HRP) -conjugated polyclonal antibody, specific for sPLA2 are added to each well to "sandwich" the sPLA2 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain sPLA2 and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The sPLA2 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	11467959
NCBI GeneID	282457
Molecular Weight	16,002 Da
NCBI Official Full Name	Phospholipase A2
NCBI Official Synonym Full Names	phospholipase A2, group IB (pancreas)<
NCBI Official Symbol	PLA2G1B
NCBI Protein Information	phospholipase A2; group IB phospholipase A2; phosphatidylcholine 2-acylhydrolase 1B
UniProt Protein Name	Phospholipase A2
UniProt Gene Name	PLA2G1B
UniProt Entry Name	PA21B_BOVIN

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.