

## Canine Lipoprotein-associated Phospholipase A2 ELISA Kit | Lp-PL-A2 elisa kit

Canine Lipoprotein-associated Phospholipase A2 ELISA Kit

CATALOG #  
**AAA89407**

REACTIVITY  
**Canine**

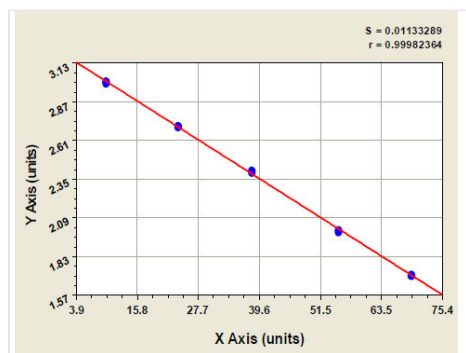
### PRODUCT SYNONYMS

Lipoprotein-associated Phospholipase A2; Canine Lipoprotein-associated Phospholipase A2 ELISA Kit; Lp-PL-A2 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Canine                                                                                                                                                                                          |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate                                                                                                                      |
| Assay Type              | Competitive                                                                                                                                                                                     |
| Detection Range         | 0.5-10ng/mL                                                                                                                                                                                     |
| Sensitivity             | 0.1ng/mL                                                                                                                                                                                        |
| Intended Uses           | This Lp-PL-A2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine Lp-PL-A2. 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 Lp-PL-A2 elisa kit

**Principle of the assay:** Lp-PL-A2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-Lp-PL-A2 antibody and an Lp-PL-A2-HRP conjugate. The assay sample and buffer are incubated together with Lp-PL-A2-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 Lp-PL-A2 concentration since Lp-PL-A2 from samples and Lp-PL-A2-HRP conjugate compete for the anti-Lp-PL-A2 antibody binding site. Since the number of sites is limited, as more sites are occupied by Lp-PL-A2 from the sample, fewer sites are left to bind Lp-PL-A2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The Lp-PL-A2 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                                                                     |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 1314246                                                                                                                                                                                                                                                                                                             |
| NCBI GeneID                      | 7941                                                                                                                                                                                                                                                                                                                |
| Molecular Weight                 | 50,077 Da                                                                                                                                                                                                                                                                                                           |
| NCBI Official Full Name          | LDL-phospholipase A2                                                                                                                                                                                                                                                                                                |
| NCBI Official Synonym Full Names | phospholipase A2, group VII (platelet-activating factor acetylhydrolase, plasma)                                                                                                                                                                                                                                    |
| NCBI Official Symbol             | PLA2G7                                                                                                                                                                                                                                                                                                              |
| NCBI Official Synonym Symbols    | PAFAD; PAFAH; LP-PLA2; LDL-PLA2                                                                                                                                                                                                                                                                                     |
| NCBI Protein Information         | platelet-activating factor acetylhydrolase; LDL-PLA(2); gVIIA-PLA2; PAF 2-acylhydrolase; PAF acetylhydrolase; group-VIIA phospholipase A2; LDL-associated phospholipase A2; lipoprotein-associated phospholipase A2; 1-alkyl-2-acetylglycerophosphocholine esterase; 2-acetyl-1-alkylglycerophosphocholine esterase |
| UniProt Protein Name             | Platelet-activating factor acetylhydrolase                                                                                                                                                                                                                                                                          |
| UniProt Gene Name                | PLA2G7                                                                                                                                                                                                                                                                                                              |
| UniProt Synonym Gene Names       | PAFAH; PAF acetylhydrolase; gVIIA-PLA2; LDL-PLA(2)                                                                                                                                                                                                                                                                  |
| UniProt Entry Name               | PAFA_HUMAN                                                                                                                                                                                                                                                                                                          |

**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.