

## Human Phospholipase A2, Group IID (PLA2G2D) ELISA Kit | PLA2G2D elisa kit

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CATALOG #  
**AAA22990**

REACTIVITY  
**Human**

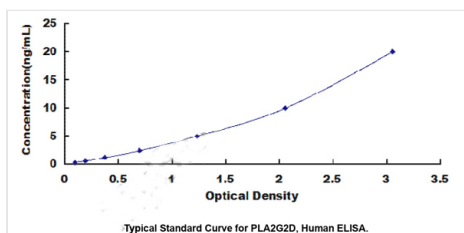
### PRODUCT SYNONYMS

Phospholipase A2; Group IID (PLA2G2D); Human Phospholipase A2; Group IID (PLA2G2D) ELISA Kit; PLA2G2D; sPLA2S; s-PLA2; sPLA2; SPLASH; Secreted Phospholipase A2; Phosphatidylcholine 2-acylhydrolase 2D; Secretory-type PLA; stroma-associated homolog; PLA2G2D elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of PLA2G2D. No significant cross-reactivity or interference between PLA2G2D and analogues was observed.                                                                                                                                                                                                                                                                                                            |
| Sequence Length         | 145                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Assay Type              | Quantitative Sandwich                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Samples                 | Human serum, plasma, tissue homogenates and other biological fluids                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Detection Range         | 0.312-20ng/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Sensitivity             | < 0.122ng/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PLA2G2D were tested 20 times on one plate, respectively. Intra-Assay: CV<10%                                                                                                                                                                                                                                                                                                                  |
| Inter-assay Precision   | Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level PLA2G2D were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%                                                                                                                                                                                                                                                                                |
| Preparation and Storage | The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.<br>To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end. |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
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| Related Product Information for PLA2G2D elisa kit | <p>Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to PLA2G2D. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to PLA2G2D. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain PLA2G2D, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of PLA2G2D in the samples is then determined by comparing the O.D. of the samples to the standard curve.</p> <p>Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of PLA2G2D in human serum, plasma, tissue homogenates and other biological fluids.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                      |
|----------------------------------|--------------------------------------|
| NCBI GI #                        | 119615321                            |
| NCBI GeneID                      | 26279                                |
| UniProt Accession #              | Q9UNK4; Q9UK01; A8K2Z1; B1AEL9       |
| Molecular Weight                 | 16,546 Da                            |
| NCBI Official Full Name          | phospholipase A2, group IID          |
| NCBI Official Synonym Full Names | phospholipase A2 group IID           |
| NCBI Official Symbol             | PLA2G2D                              |
| NCBI Official Synonym Symbols    | SPLASH; sPLA2S; PLA2IID; sPLA2-IID   |
| NCBI Protein Information         | group IID secretory phospholipase A2 |
| UniProt Protein Name             | Group IID secretory phospholipase A2 |
| UniProt Gene Name                | PLA2G2D                              |
| UniProt Synonym Gene Names       | SPLASH; GIID sPLA2; sPLA2-IID        |

**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.