

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

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This kit applies sandwich ELISA method for the quantitative detection of PLA2G2D (Phospholipase A2, Group IID) in human samples. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Human PLA2G2D. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human 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 Human 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  $\pm$ 10nm. The concentration of Human PLA2G2D in the samples is then determined by comparing the OD of the samples to the standard curve.

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| Catalog No.          | 3011754  |
| Size                 | 96-Wells   |
| Product Category     | ELISA (Quantitative)                                       |
| Reactivity           | Human  |
| Sample               | Serum; Plasma; Tissue Homogenates; Other Biological Fluids |
| Assay Method         | Sandwich ELISA   |
| Assay Duration       | 3.5 hours  |
| Sensitivity          | 0.135 ng/mL  |
| Standard Curve Range | 0.32-20 ng/mL  |
| Storage/Stability    | -20°C/1 year; 4°C/6 months                                 |

