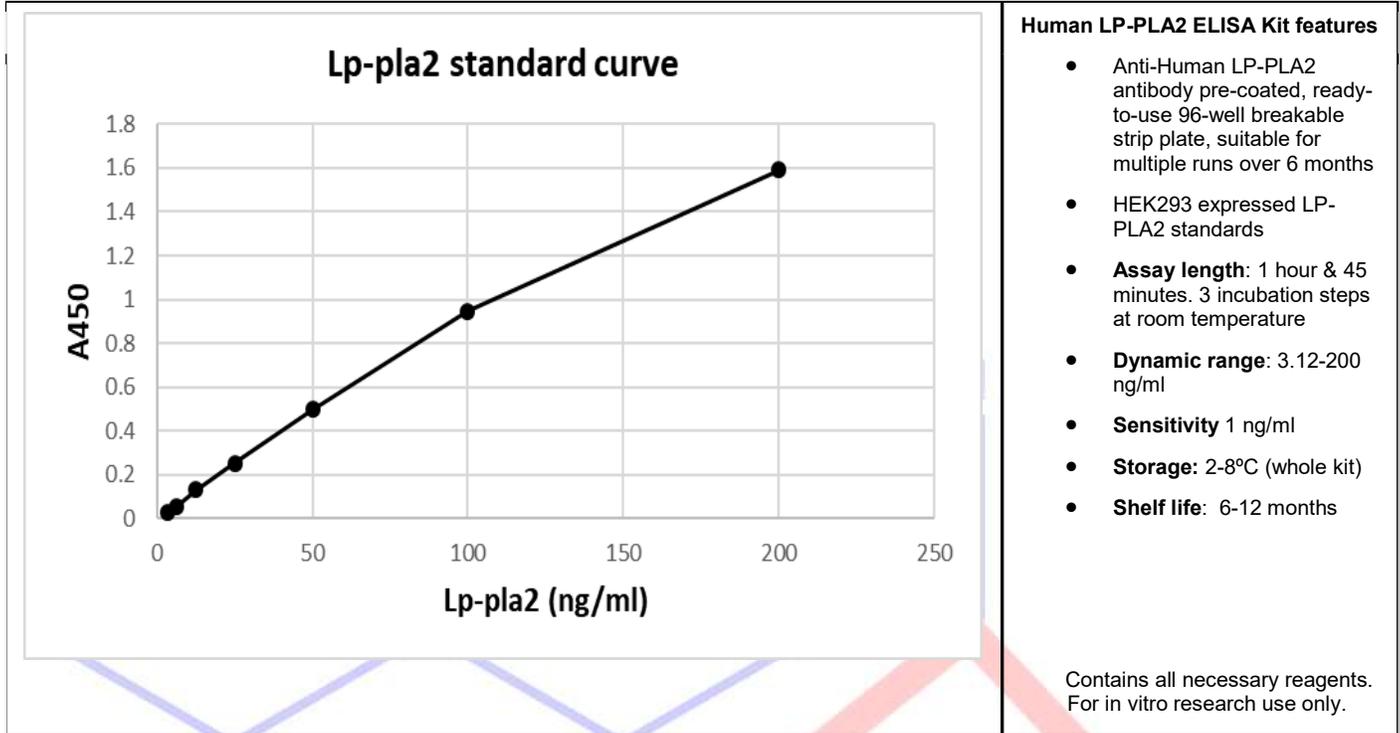


Human Lp-PLA2 ELISA Kit Cat# 1045

The Human Lp-PLA2 ELISA Kit is a highly sensitive sandwich ELISA for the measurement of Human Lp-PLA2 in serum, plasma, culture supernatants, and other appropriately qualified matrices.



Assay Procedure: Allow all reagents to reach room temperature. Arrange and label required number of strips.

- Step 1.** Pipette 100 ul of appropriately diluted samples and calibrators into wells and incubate for 1 hour at room temperature.
- Step 2.** Wash the wells 3X with 300 ul of wash buffer for each well
- Step 3.** Add 100 ul of HRP conjugated detection antibody to each well and incubate for 30 minutes at room temperature
- Step 4.** Wash the wells 3X with 300 ul of wash buffer for each well
- Step 5.** Add 100 ul of TMB Substrate solution to all wells, mix gently, and incubate at room temperature for 15 minutes.
- Step 6.** Pipette 100 ul of stop solution into each well and mix gently. Measure at 450 nm w/ 630 nm as a reference filter if available.

Performance Characteristics

Sensitivity: 1 ng/ml
Average recovery: 88.93%
Average linearity: 94.26%
Precision: Intra-assay: <10% Inter-assay: <10%

Minimum recommended dilution

Serum & Plasma: 10-fold
Culture supernatant: 2-fold

Note: Minimum recommended dilution represents the dilution which is needed to eliminate matrix interference effects. All samples must be diluted to at least the minimum recommended ratio. Samples may be further diluted if the sample values fall within the standard curve, if sample volume is to be preserved, or if the sample value is above the highest OD on the standard curve

General Information

Lipoprotein-associated phospholipase A2 (Lp-PLA2) also known as platelet-activating factor acetylhydrolase (PAF-AH) is an enzyme involved in atherosclerosis related vascular inflammation. Increased Lp-PLA2 mass and activity are prognostic biomarkers for cardiovascular disease (CVD) including coronary heart disease and ischemic stroke.