

Human LpPLA2 Antibody Pair Set

Catalog No.	E-KAB-0051	Applications	ELISA
Synonyms	PLA2G7, LDL-PLA2, LP-PLA2, PAFAD, PAFAH, Lipoprotein-associated phospholipase A2, phospholipase A2 group VII		

Kit components & Storage

Title	Specifications	Storage
Human LpPLA2 Capture Antibody	1 vial, 100 µg	Store at -20℃ for one year. Avoid freeze / thaw cycles.
Human LpPLA2 Detection Antibody (Biotin)	1 vial, 50 µL	Store at -20℃ for one year. Avoid freeze / thaw cycles.

Note: Centrifuge before opening to ensure complete recovery of vial contents.

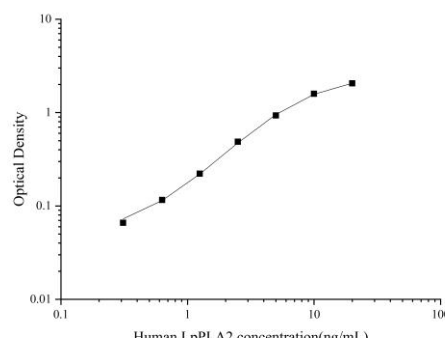
Product Information

Items		Characteristic (E-KAB-0051)	
		Human LpPLA2 Capture Antibody	Human LpPLA2 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human LpPLA2 protein	Recombinant Human LpPLA2 protein
	Swissprot	Q13093	
Product details	Reactivity	Human	Human
	Host	Mouse	Mouse
	Conjugation	Unconjugated	Biotin
	Concentration	0.5mg/mL	/
	Buffer	PBS with 0.04% Proclin 300, 50% glycerol, pH 7.4	PBS with 0.04% Proclin 300, 1% protective protein, 50% glycerol, pH 7.4
	Purify	Protein A or G	Protein A or G
	Specificity	Detects Human LpPLA2 in ELISAs.	

For Research Use Only

Applications

Human LpPLA2 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images																
ELISA Capture	0.5-4μg/mL	Human LpPLA2 Capture Antibody	 <table><caption>Approximate data points from the standard curve</caption><thead><tr><th>Human LpPLA2 concentration (ng/mL)</th><th>Optical Density</th></tr></thead><tbody><tr><td>0.1</td><td>0.05</td></tr><tr><td>0.5</td><td>0.1</td></tr><tr><td>1</td><td>0.2</td></tr><tr><td>5</td><td>0.5</td></tr><tr><td>10</td><td>1.0</td></tr><tr><td>20</td><td>1.5</td></tr><tr><td>50</td><td>2.0</td></tr></tbody></table>	Human LpPLA2 concentration (ng/mL)	Optical Density	0.1	0.05	0.5	0.1	1	0.2	5	0.5	10	1.0	20	1.5	50	2.0
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ELISA Detection	1:1000-1:10000	Human LpPLA2 Detection Antibody (Biotin)																	

Note: This standard curve is only for demonstration purposes. A standard curve should be generated for each assay!

Background

The protein encoded by this gene is a secreted enzyme that catalyzes the degradation of platelet-activating factor to biologically inactive products. Defects in this gene are a cause of platelet-activating factor acetylhydrolase deficiency. Two transcript variants encoding the same protein have been found for this gene.