

Mouse PLA2G1B ELISA Kit | PLA2G1B elisa kit

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CATALOG #
AAA258481

REACTIVITY
Mouse

PRODUCT SYNONYMS

PLA2G1B; Mouse PLA2G1B ELISA Kit; PLA2G1B ELISA Kit; Mouse; phospholipase A2; group IB (pancreas); Pla2a ELISA Kit; sPLA2IB ELISA Kit; PLA2G1B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	For the quantitative determination of Mouse PLA2G1B concentration in serum.
Assay Type	Solid Phase Sandwich ELISA (quantitative)
Sample Types	Serum
Detection Range	2.82-180pg/mL
Sensitivity	0.66pg/mL
Conjugation	HRP
Materials Provided	1. 96 well microplate coated with Capture Antibody 2. Detection Antibody conjugated to HRP 3. Standards 4. Wash Buffer Concentrate 5. Dilution Buffer Concentrate 6. Color Reagent A 7. Color Reagent B 8. Stop Solution

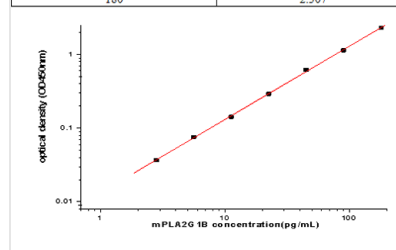
IMAGES

Recombinant human			
PLA2G1B	PLA2G2A		
Recombinant mouse			
IL1A	IL1B	IL2	IL12B
TNFA(80-235)	IL6	IFNG	CCL3
VEGF164	IL18R1	IL17a	IL18
IL12A-IL12B	XCL1	PLA2G2E	PLA2G12B
PLA2G7			

Application Data

This assay recognizes both recombinant and natural Mouse PLA2G1B. The factors listed below were prepared at 50ng/mL in dilution buffer and assayed for cross-reactivity. No cross-reactivity was observed.

Concentration (pg/mL)	Zero standard subtracted OD
0	0
2.82	0.037
5.63	0.076
11.25	0.143
22.5	0.292
45	0.619
90	1.145
180	2.307



Standard Curve (Sample)

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

ADDITIONAL INFORMATION

Related Product Information for PLA2G1B elisa kit	This PLA2G1B ELISA Kit, Mouse is an enzyme-linked immunosorbent assay for the quantitative measurement of Mouse PLA2G1B protein in Serum. It contains recombinant Mouse PLA2G1B, and antibodies raised against the recombinant protein. This ELISA kit is complete and ready-to-use. Background: phospholipase A2, also known as Phosphatidylcholine 2-acylhydrolase 1B, Group IB phospholipase A2, PLA2 and PLA2G1B, is a secreted protein that belongs to the phospholipase A2 family. Phospholipase A2/PLA2G1B catalyzes the release of fatty acids from glycerol-3-phosphocholines. The best known varieties are the digestive enzymes secreted as zymogens by the pancreas of mammals. Sequences of pancreatic Phospholipase A2/PLA2G1B enzymes from a variety of mammals have been reported. One striking feature of these enzymes is their close homology to venom phospholipases of snakes. Other forms of Phospholipase A2/PLA2G1B have been isolated from brain, liver, lung, spleen, intestine, macrophages, leukocytes, erythrocytes, inflammatory exudates, chondrocytes, and platelets. Mice lacking in Phospholipase A2/PLA2G1B are resistant to obesity and diabetes induced by feeding a diabetogenic high-fat/high-carbohydrate diet. Oral supplementation of a diabetogenic diet with the PLA2G1B inhibitor methyl indoxam effectively suppresses diet-induced obesity and diabetes. PLA2G1B inhibition may be a potentially effective oral therapeutic option for treatment of obesity and diabetes.
References	Labonté, E.D. et al., 2006, Diabetes. 55 (4) :935-41. Mounier, C.M. et al., 2008, Br J Cancer. 98 (3):587-95. Hui, D.Y. et al., 2009, Br J Pharmacol. 157 (7):1263-9. Labonté, E.D. et al., 2010, FASEB J. 24 (7):2516-24.

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.

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Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/pla2g1b/258481>