

Mouse Phospholipase A2 Membrane Associated ELISA Kit | Pla2g2a elisa kit

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CATALOG #
AAA266540

REACTIVITY
Mouse

PRODUCT SYNONYMS

Phospholipase A2 Membrane Associated; Mouse Phospholipase A2 Membrane Associated ELISA Kit; Pla2g2a elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Assay Type	sandwich
Samples	cell culture supernates, serum and plasma (heparin, EDTA)
Detection Range	31.2pg/ml-2000pg/ml
Sensitivity	<10pg/ml
Detection Target	Phospholipase A2 Membrane Associated
Immunogen Sequence	333
Cross-Reactivity	There is no detectable cross-reactivity with other relevant proteins.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles. (Shipped with wet ice)

ADDITIONAL INFORMATION

Related Product Information for Pla2g2a elisa kit

This Mouse Phospholipase A2 Membrane Associated ELISA Kit is intended for quantitative detection of mouse PLA2G2A in cell culture supernates, serum and plasma (heparin, EDTA). Strip well format. Reagents for up to 96 tests.

This mouse PLA2G2A ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat specific for PLA2G2A has been precoated onto 96-well plates. Standards (Expression system for standard: sf21, Immunogen sequence: N22-C146) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for PLA2G2A is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the human Fibronectin amount of sample captured in plate. The capture antibody is a monoclonal antibody from rat, the detection antibody is a biotinylated detection polyclonal antibody from goat. Expression system for standard: Phospholipase A2, membrane associated is an enzyme that in humans is encoded by the PLA2G2A gene. It is mapped to 4 D3; 4 70.57 cM. Proteins belonging to the phospholipase A2 (PLA2) family hydrolyze phospholipids into sn2 fatty acids and lysophospholipids. They function in a variety of cellular processes, including the digestion of phospholipids and the production of molecules that induce inflammatory responses. This gene encodes a member of the group II class of secretory PLA2s. The secreted enzyme binds to heparin on the cell surface. Mutations in this gene increase the occurrence of intestinal polyps caused by a dominant mutation in the adenomatosis polyposis coli gene. A frameshift inactivates this gene product in some mouse strains including the strain of the reference genome, C57BL/6J, whereas a functional protein is produced in other strains.

NCBI AND UNIPROT INFORMATION

NCBI GI # [132626633](#)

NCBI GeneID	18780
NCBI Accession #	NP_001076000.1
NCBI GenBank Nucleotide #	NM_001082531.1
UniProt Accession #	P31482 ; Q60871
Molecular Weight	16,145 Da
NCBI Official Full Name	phospholipase A2, membrane associated
NCBI Official Synonym Full Names	phospholipase A2, group IIA (platelets, synovial fluid)
NCBI Official Symbol	Pla2g2a
NCBI Official Synonym Symbols	EF; Mom1; Pla2; sPLA2; sPla2-IIA
NCBI Protein Information	phospholipase A2, membrane associated
UniProt Protein Name	Phospholipase A2, membrane associated
UniProt Gene Name	Pla2g2a
UniProt Synonym Gene Names	EF

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://www.aaabiotech.com/mouse-elisa-kits/phospholipase-a2-membrane-associated/266540>