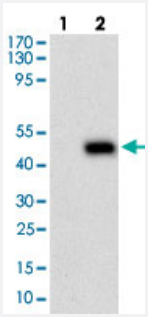
PLA2G12A monoclonal antibody, clone 7C7C9

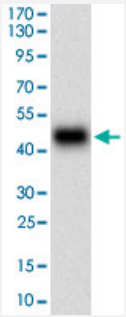
Catalog # MAB12253 Size 100 ug

Applications



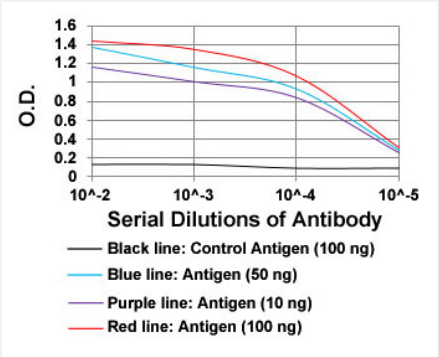
Western Blot (Transfected lysate)

Western blot analysis of Lane 1: Negative control [HEK293 cell lysate]; Lane 2: Over-expression lysate [PLA2G12A (AA: 21-189)-hIgGFc transfected HEK293 cells] with PLA2G12A monoclonal antibody, clone 7C7C9 (Cat# MAB12253) at 1:500-1:2000 dilution.



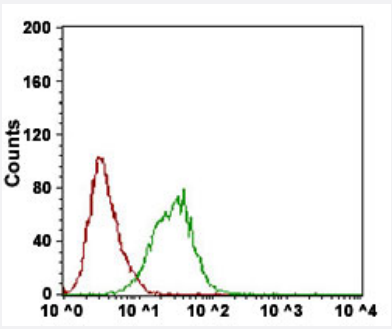
Western Blot (Recombinant protein)

Western blot analysis of human PLA2G12A (AA: 21-189) recombinant protein (Expected MW is 44.5 kDa) with PLA2G12A monoclonal antibody, clone 7C7C9 (Cat# MAB12253) at 1:500-1:2000 dilution.



Enzyme-linked Immunoabsorbent Assay

ELISA analysis of PLA2G12A monoclonal antibody, clone 7C7C9 (Cat# MAB12253) at 1:10000 dilution.



Flow Cytometry

Flow cytometric analysis of Hela cells with PLA2G12A monoclonal antibody, clone 7C7C9 (Cat# MAB12253) at 1:200-1:400 dilution (Green) and negative control (Red).

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant human PLA2G12A.
Immunogen	Recombinant protein corresponding to amino acids 21-189 of human PLA2G12A.
Host	Mouse
Theoretical MW (kDa)	21
Reactivity	Human
Form	Liquid
Isotype	IgG1
Recommend Usage	ELISA (1:10000) Flow Cytometry (1:200-1:400) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot (Transfected lysate)

  Western blot analysis of Lane 1: Negative control [HEK293 cell lysate]; Lane 2: Over-expression lysate [PLA2G12A (AA: 21-189)-hIgGFc transfected HEK293 cells] with PLA2G12A monoclonal antibody, clone 7C7C9 (Cat# MAB12253) at 1:500-1:2000 dilution.

- Western Blot (Recombinant protein)

  Western blot analysis of human PLA2G12A (AA: 21-189) recombinant protein (Expected MW is 44.5 kDa) with PLA2G12A monoclonal antibody, clone 7C7C9 (Cat# MAB12253) at 1:500-1:2000 dilution.

- Enzyme-linked Immunoabsorbent Assay

  ELISA analysis of PLA2G12A monoclonal antibody, clone 7C7C9 (Cat# MAB12253) at 1:10000 dilution.

- Flow Cytometry

  Flow cytometric analysis of Hela cells with PLA2G12A monoclonal antibody, clone 7C7C9 (Cat# MAB12253) at 1:200-1:400 dilution (Green) and negative control (Red).

Gene Info — PLA2G12A

Entrez GeneID	81579
Gene Name	PLA2G12A
Gene Alias	GXII, PLA2G12, ROSSY
Gene Description	phospholipase A2, group XIIA
Omim ID	611652
Gene Ontology	Hyperlink
Gene Summary	Secreted phospholipase A2 (sPLA2) enzymes liberate arachidonic acid from phospholipids for p roduction of eicosanoids and exert a variety of physiologic and pathologic effects. Group XII sPLA 2s, such as PLA2G12A, have relatively low specific activity and are structurally and functionally di stinct from other sPLA2s (Gelb et al., 2000 [PubMed 11031251]).[supplied by OMIM
Other Designations	group XII secreted phospholipase A2|group XIIA secreted phospholipase A2

Pathway

- alpha-Linolenic acid metabolism
- Arachidonic acid metabolism
- Ether lipid metabolism

- Fc epsilon RI signaling pathway
- Glycerophospholipid metabolism
- GnRH signaling pathway
- Linoleic acid metabolism
- Long-term depression
- MAPK signaling pathway
- Metabolic pathways
- Vascular smooth muscle contraction
- VEGF signaling pathway

Disease

- Alcoholism
- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Hematologic Diseases
- Occupational Diseases