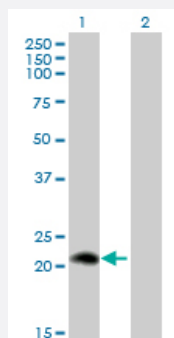


PLA2G12A monoclonal antibody (M01), clone 1D11

Catalog # H00081579-M01

Size 100 ug

Applications

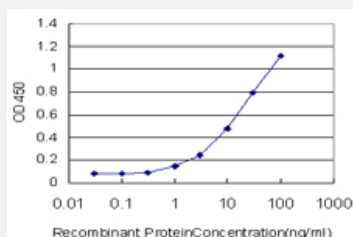


Western Blot (Transfected lysate)

Western Blot analysis of PLA2G12A expression in transfected 293T cell line by PLA2G12A monoclonal antibody (M01), clone 1D11.

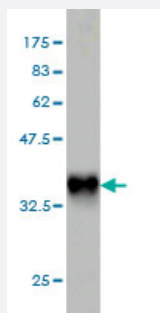
Lane 1: PLA2G12A transfected lysate(21.1 KDa).

Lane 2: Non-transfected lysate.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PLA2G12A is approximately 0.3ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.63 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant PLA2G12A.

Immunogen	PLA2G12A (NP_110448, 90 a.a. ~ 188 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	PLFGVHLNIGIPSLTKCCNQHDCRYETCGKSKNDCDEEFQYCLSKICRDVQKTLGLTQHVQACET TVELLFDSVIHLGCKPYLDSQRAACRCHYEKTD
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (93)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.63 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of PLA2G12A expression in transfected 293T cell line by PLA2G12A monoclonal antibody (M01), clone 1D11.

Lane 1: PLA2G12A transfected lysate(21.1 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PLA2G12A is approximately 0.3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — PLA2G12A

Entrez GeneID	81579
GeneBank Accession#	NM_030821
Protein Accession#	NP_110448
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 production of eicosanoids and exert a variety of physiologic and pathologic effects. Group XII sPLA2s, such as PLA2G12A, have relatively low specific activity and are structurally and functionally distinct from other sPLA2s (Gelb et al., 2000 [PubMed 11031251]).[supplied by OMIM]
Other Designations	group XII secreted phospholipase A2 group XIIA secreted phospholipase A2

Publication Reference

- [Expression of group XIIA phospholipase A2 in human digestive organs.](#)

Peuravuori H, Kollanus S, Nevalainen TJ.

APMIS : Acta Pathologica, Microbiologica, et Immunologica Scandinavica 2014 Dec; 122(12):117.

Application: IHC-P, Human, Oesophagus, Stomach, Small intestine, Large intestine, Gall bladder, Pancreas

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](#)