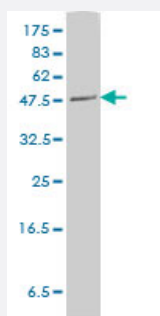


# PLTP monoclonal antibody (M01), clone 2F3-G4

Catalog # H00005360-M01

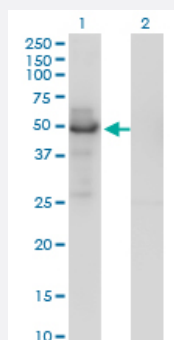
Size 100 ug

## Applications



### Western Blot (Cell lysate)

PLTP monoclonal antibody (M01), clone 2F3-G4 Western Blot analysis of PLTP expression in Hela S3 NE ( Cat # L013V3 ).

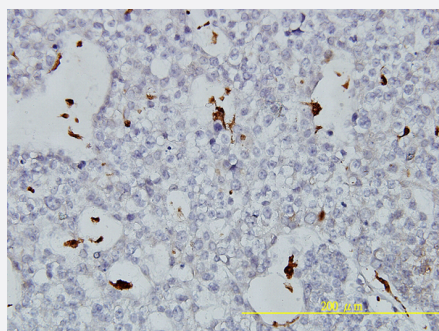


### Western Blot (Transfected lysate)

Western Blot analysis of PLTP expression in transfected 293T cell line by PLTP monoclonal antibody (M01), clone 2F3-G4.

Lane 1: PLTP transfected lysate(54.7 KDa).

Lane 2: Non-transfected lysate.

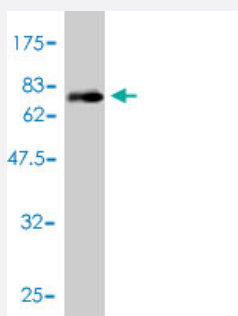
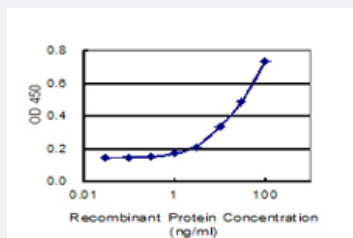


### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to PLTP on formalin-fixed paraffin-embedded human ovary, clear cell carcinoma tissue. [antibody concentration 5 ug/ml]

## Sandwich ELISA (Recombinant protein)

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



Western Blot detection against Immunogen (72.05 KDa) .

## Specification

|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>     | Mouse monoclonal antibody raised against a full length recombinant PLTP.                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Immunogen</b>               | PLTP (AAH05045, 19 a.a. ~ 441 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.                                                                                                                                                                                                                                                                                                                                            |
| <b>Sequence</b>                | FPGCKIRVTSKALELVKQEGLRFLEQELETITIPDLRGKEGHFYNNISEVKVTELQLTSSELDFFQPPQ<br>QELMLQITNASLGLRFRRQLLYWFLKVYDFLSTFITSGMRFLNQQICPVLYHAGTVLLNSLLDTVPV<br>RSSVDELVGIDYSLMKDPVASTSNLDMDFRGAFFPLTERNWSLPNRAVEPQLQEEERMVYVAFS<br>EFFFDSAMESYFRAGALQLLLVGDKVPHDLDMLLRATYFGSMLLSPAVIDSPLKLELRVLAPPRC<br>TIKPSGTTISVTASVTIALVPPDQPEVQLSSMTMDARLSAKMALRGKALRTQLDLRRFRIYSNHSAL<br>ESLALIPLQAPLKTMLQIGVMPMLNERTWRGVQIPLPEGINFVHEVVTNHAGFLTIGADLHFAKGLR<br>EVIEKNRPADVRASTAPTSTAAS |
| <b>Host</b>                    | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Reactivity</b>              | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Isotype</b>                 | IgG1 kappa                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Quality Control Testing</b> | Antibody Reactive Against Recombinant Protein.<br>Western Blot detection against Immunogen (72.05 KDa) .                                                                                                                                                                                                                                                                                                                                                       |
| <b>Storage Buffer</b>          | In 1x PBS, pH 7.4                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Storage Instruction</b>     | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                                                                                                                                                                                                       |

## Applications

- Western Blot (Cell lysate)

PLTP monoclonal antibody (M01), clone 2F3-G4 Western Blot analysis of PLTP expression in Hela S3 NE ( Cat # L013V3 ).

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of PLTP expression in transfected 293T cell line by PLTP monoclonal antibody (M01), clone 2F3-G4.

Lane 1: PLTP transfected lysate(54.7 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to PLTP on formalin-fixed paraffin-embedded human ovary, clear cell carcinoma tissue. [antibody concentration 5 ug/ml]

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

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

[Protocol Download](#)

- ELISA

## Gene Info — PLTP

|                     |                          |
|---------------------|--------------------------|
| Entrez GeneID       | <a href="#">5360</a>     |
| GeneBank Accession# | <a href="#">BC005045</a> |
| Protein Accession#  | <a href="#">AAH05045</a> |
| Gene Name           | PLTP                     |
| Gene Alias          | HDLCQ9                   |

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Description   | phospholipid transfer protein                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Omim ID            | <a href="#">172425</a>                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Gene Ontology      | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Gene Summary       | The protein encoded by this gene is one of at least two lipid transfer proteins found in human plasma. The encoded protein transfers phospholipids from triglyceride-rich lipoproteins to high density lipoprotein (HDL). In addition to regulating the size of HDL particles, this protein may be involved in cholesterol metabolism. At least two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq] |
| Other Designations | OTTHUMP00000031678 lipid transfer protein II                                                                                                                                                                                                                                                                                                                                                                                                            |

## Publication Reference

- [PhosphoLipid transfer protein \(PLTP\) exerts a direct pro-inflammatory effect on rheumatoid arthritis \(RA\) fibroblasts-like-synoviocytes \(FLS\) independently of its lipid transfer activity.](#)

Audo R, Deckert V, Daien CI, Che H, Elhmioui J, Lemaire S, Pais de Barros JP, Desrumaux C, Combe B, Hahne M, Lagrost L, Morel J.

PLoS One 2018 Mar; 13(3):e0193815.

Application: Blocking, Func, Recombinant proteins

- [Increased Biglycan in Aortic Valve Stenosis Leads to the Overexpression of Phospholipid Transfer Protein via Toll-Like Receptor 2.](#)

Derbali H, Bosse Y, Cote N, Pibarot P, Audet A, Pepin A, Arsenault B, Couture C, Despres JP, Mathieu P.

The American Journal of Pathology 2010 Jun; 176(6):2638.

Application: IHC-Fr, Human, Aortic valves

## Pathway

- [PPAR signaling pathway](#)

## Disease

- [Alzheimer Disease](#)
- [Atherosclerosis](#)
- [Calcinosis](#)

- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)
- [Coronary Artery Disease](#)
- [Dementia](#)
- [Diabetes Mellitus](#)
- [Dyslipidemias](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hyperlipidemias](#)
- [Hyperlipoproteinemias](#)
- [Obesity](#)
- [Syndrome](#)
- [Tangier disease](#)