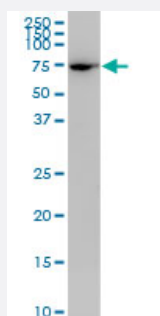


PLS1 monoclonal antibody (M04), clone 3G10

Catalog # H00005357-M04

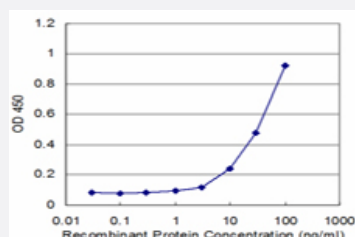
Size 100 ug

Applications



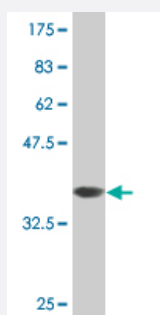
Western Blot (Cell lysate)

PLS1 monoclonal antibody (M04), clone 3G10. Western Blot analysis of PLS1 expression in Jurkat (Cat # L017V1).



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PLS1 is approximately 3ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.96 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant PLS1.

Immunogen	PLS1 (NP_002661.1, 1 a.a. ~ 102 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MENSTTTISREELEELQEAFNKIDIDNSGYVSDYELQDLFKEASLPLPGYKVVREIVEKILSVADSNKD GKISFEFVSLMQELKSKDISKTFRKIINKREGI
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (98)
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.96 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 (Cell lysate)

PLS1 monoclonal antibody (M04), clone 3G10. Western Blot analysis of PLS1 expression in Jurkat (Cat # L017V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PLS1 is approximately 3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — PLS1

Entrez GeneID [5357](#)

GeneBank Accession#	NM_002670
Protein Accession#	NP_002661.1
Gene Name	PLS1
Gene Alias	I-PLASTIN
Gene Description	plastin 1 (I isoform)
Omim ID	602734
Gene Ontology	Hyperlink
Gene Summary	<p>Plastins are a family of actin-binding proteins that are conserved throughout eukaryote evolution and expressed in most tissues of higher eukaryotes. In humans, two ubiquitous plastin isoforms (L and T) have been identified. The protein encoded by this gene is a third distinct plastin isoform, which is specifically expressed at high levels in the small intestine. Alternatively spliced transcript variants varying in the 5' UTR, but encoding the same protein, have been found for this gene. [provided by RefSeq]</p>
Other Designations	I isoform Plastin-1 plastin 1

Publication Reference

- [Plastin 1 widens stereocilia by transforming actin filament packing from hexagonal to liquid.](#)

Krey JF, Krystofiak ES, Dumont RA, Vijayakumar S, Choi D, Rivero F, Kachar B, Jones SM, Barr-Gillespie PG.
Journal of Cell Biology 2016 Nov; 215(4):467.

Application: IF, WB, Mouse, Mouse hair bundles

Disease

- [Kidney Failure](#)