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Endothelial lipase Mouse mAb

Catalog # AP97628

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q9Y5X9
Other Accession	Q9Y5X9
Predicted	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	56795
Physical State	Liquid
Immunogen	Recombinded human Endothelial lipase
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the AB hydrolase superfamily. Lipase family.Contains 1 PLAT domain.
SUBUNIT	Head to tail homodimer.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The protein encoded by this gene has substantial phospholipase activity and may be involved in lipoprotein metabolism and vascular biology. This protein is designated a member of the TG lipase family by its sequence and characteristic lid region which provides substrate specificity for enzymes of the TG lipase family. [provided by RefSeq, Jul 2008]

Additional Information

Gene ID	9388
Other Names	EDL; EL; PRO719; lipase; LIPG_HUMAN; LIPG; Endothelial cell-derived lipase (EDL | EL); Phospholipase A1; 3.1.1.3; LIPG_RAT; Endothelial-derived lipase (EDL); lipase G, endothelial type; lipase, endothelial
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	LIPG

Function	Exerts both phospholipase and triglyceride lipase activities (PubMed:10192396, PubMed:10318835, PubMed:12032167). More active as a phospholipase than a triglyceride lipase (PubMed:12032167). Hydrolyzes triglycerides, both with short-chain fatty acyl groups (tributyrin) and long-chain fatty acyl groups (triolein) with similar levels of activity toward both types of substrates (PubMed:12032167). Hydrolyzes high density lipoproteins (HDL) more efficiently than other lipoproteins (PubMed:10192396, PubMed:12032167).
Cellular Location	Secreted.
Tissue Location	High level of expression in the liver, placenta, lung, thyroid, kidney, testis and in the corpus luteum of the ovary Expressed also in coronary artery endothelial cells, umbilical vein endothelial cells and in hepatocytes and osteosarcoma cell lines. Not detected in heart, brain and muscle.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.