

Mouse LIPOPROTEIN LIPASE Monoclonal Antibody | anti-LPL antibody

MOUSE ANTI LIPOPROTEIN LIPASE:Biotin

CATALOG # AAA12249	HOST Mouse	APPLICATIONS ELISA, Western Blot, Immunoprecipitation
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PRODUCT SYNONYMS

LIPOPROTEIN LIPASE; Monoclonal Antibody; MOUSE ANTI LIPOPROTEIN LIPASE:Biotin; anti-LPL antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	5D2
Purity/Purification	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Form/Format	Biotin Purified IgG conjugated to Biotin - liquid Buffer Solution: Phosphate buffered saline
Concentration	IgG concentration 0.1mg/ml (varies by lot)
Sequence Length	478
Applicable Applications for anti-LPL antibody	ELISA, WB (Western Blot), IP (Immunoprecipitation)
Application Notes	Western Blot: This item detects a band of approximately 53kDa using partially purified LPL from postheparin plasma. ELISA: can be used in an indirect ELISA
Perservative Stabilisers	0.09% Sodium Azide (NaN3) 1% Bovine Serum Albumin
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Immunogen	Purified bovine milk lipoprotein lipase
RRID	AB_10889937
Target Species	Bovine
Species Cross-Reactivity	Reacts with: Rat, Human, Chicken, Guinea Pig Does not react with: Mouse N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators.
Preparation and Storage	This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C. Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

IMAGES



Application Data
Bovine lipoprotein lipase detected with Mouse anti lipoprotein lipase:HRP



Application Data
Bovine lipoprotein lipase detected with Mouse anti lipoprotein lipase followed by Rabbit F(ab')₂ anti Mouse IgG:HRP

ADDITIONAL INFORMATION

Related Product Information for anti-LPL antibody	Mouse anti Lipoprotein Lipase antibody, clone 5D2 specifically recognizes an epitope within amino acids 380-410 of lipoprotein lipase (LPL), a member of the AB hydrolase superfamily, which plays a pivotal role in lipoprotein metabolism and transport, acting as the key enzyme in the hydrolysis of triglycerides and very low density lipoproteins (VLDLs), and the release of free fatty acids into peripheral tissues. A deficiency of LPL can result in hypertriglyceridemia, and many studies have focused on the critical role which LPL plays in the pathogenesis of atherosclerosis, and in particular the relationship between LPL and apolipoprotein E (ApoE), both of which are secreted in significant amounts by macrophages in developing arterial wall lesions. Mouse anti Lipoprotein Lipase antibody, clone 5D2 is a unique antibody which differentiates between monomeric inactive and dimeric active LPL, and binds to LPL sequences involved in LPL, LPL receptor, and heparin interactions. Mouse anti Lipoprotein Lipase antibody, clone 5D2 has been shown to inhibit the activity of human LPL (Chang et al. 1998).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	115497164
NCBI GeneID	280843
NCBI Accession #	NP_001068588.1
NCBI GenBank Nucleotide #	NM_001075120.1
UniProt Accession #	P11151; Q17R03
NCBI Official Full Name	lipoprotein lipase
NCBI Official Synonym Full Names	lipoprotein lipase<
NCBI Official Symbol	LPL
NCBI Protein Information	lipoprotein lipase
UniProt Protein Name	Lipoprotein lipase
UniProt Gene Name	LPL
UniProt Synonym Gene Names	LPL
UniProt Entry Name	LIPL_BOVIN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/lipoprotein-lipase-antibody-clone-5d2-western-blot-immunoprecipitation-elisa/12249>