

LIPG Monoclonal Antibody (LIP10-151.10)

Catalog NumberMA1-10613

Product data sheet

Details		Species Reactivity	
Size	500 µg	Species reactivity	Human
Host/Isotope	Mouse / IgM	Tested Applications	Dilution *
Class	Monoclonal		
Type	Antibody	ELISA (ELISA)	1-10 µg/mL
Clone	LIP10-151.10	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Immunogen	Purified human pancreatic Lipase.		
Conjugate	Unconjugated		
Form	Liquid		
Concentration	~1 mg/mL		
Purification	PEG precipitation		
Storage buffer	PBS, pH 7.4		
Contains	no preservative		
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles		

Product specific information

MA1-10613 detects Lipase from human samples. MA1-10613 has been successfully used in ELISA applications. The MA1-10613 immunogen is purified human pancreatic Lipase.

Background/Target Information

LIPG (Lipase G, Endothelial type) is an endothelial lipase which is a novel member of the lipoprotein lipase gene family. LIPG is synthesized by endothelial cells and functions at the site of synthesis. LIPG most likely plays a physiological role in modulating lipoprotein metabolism. Overexpressed LIPG has been shown to reduce HDL cholesterol levels, whereas an LIPG deficiency appears to be effective in elevating HDL cholesterol levels in animals. LIPG has substantial phospholipase activity and may be involved in lipoprotein metabolism and vascular biology. Also, LIPG 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. LIPG is a carboxyl esterase that hydrolyzes high density lipoproteins, emulsifies triglycerides, is essential for the efficient digestion of dietary fats and can bind to heparin.

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