

## ARG23652 anti-LPL / Lipoprotein Lipase antibody [5D2]

Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody [5D2] recognizes LPL / Lipoprotein Lipase
Tested Reactivity	Hu, Rat, Bov, Chk, Gpig
Species Does Not React With	Ms
Tested Application	ELISA, IP, WB
Host	Mouse
Clonality	Monoclonal
Clone	5D2
Isotype	IgG1
Target Name	LPL / Lipoprotein Lipase
Species	Bovine
Immunogen	Purified Bovine milk lipoprotein lipase.
Conjugation	Un-conjugated
Alternate Names	EC 3.1.1.34; LPL; Lipoprotein lipase; LIPD; HDLCQ11

### Application Instructions

Application table	Application	Dilution
	ELISA	1:500 - 1:5000
	IP	Assay-dependent
	WB	Assay-dependent
Application Note	<p>WB: This product detects a band of ~ 53 kDa using partially purified LPL from postheparin plasma.</p> <p>ELISA: This product can be used in an indirect ELISA, or as the capture antibody in a sandwich ELISA.</p> <p>* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.</p>	

### Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS and 0.09% Sodium azide.
Preservative	0.09% Sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

before use.

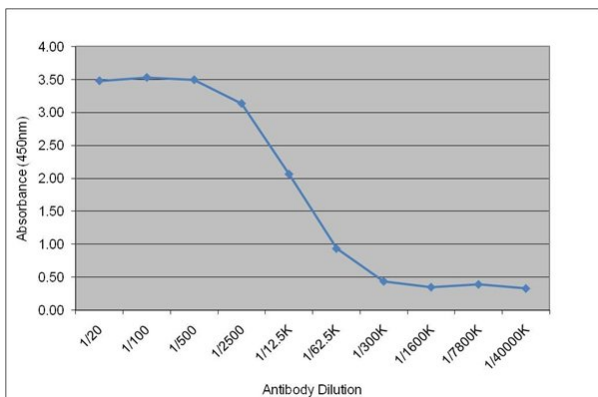
#### Note

For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

Gene Symbol	LPL
Gene Full Name	lipoprotein lipase
Background	LPL encodes lipoprotein lipase, which is expressed in heart, muscle, and adipose tissue. LPL functions as a homodimer, and has the dual functions of triglyceride hydrolase and ligand/bridging factor for receptor-mediated lipoprotein uptake. Severe mutations that cause LPL deficiency result in type I hyperlipoproteinemia, while less extreme mutations in LPL are linked to many disorders of lipoprotein metabolism. [provided by RefSeq, Jul 2008]
Function	The primary function of this lipase is the hydrolysis of triglycerides of circulating chylomicrons and very low density lipoproteins (VLDL). Binding to heparin sulfate proteoglycans at the cell surface is vital to the function. The apolipoprotein, APOC2, acts as a coactivator of LPL activity in the presence of lipids on the luminal surface of vascular endothelium (By similarity). [UniProt]
Calculated Mw	53 kDa
PTM	Tyrosine nitration after lipopolysaccharide (LPS) challenge down-regulates the lipase activity. [UniProt]

## Images



ARG23652 anti-LPL / Lipoprotein Lipase antibody [5D2] ELISA image

ELISA: Bovine lipoprotein lipase detected with ARG23652 anti-LPL / Lipoprotein Lipase antibody [5D2] followed by Rabbit F(ab')<sub>2</sub> anti-Mouse IgG (HRP).