

Datasheet: MCA5641 BATCH NUMBER 1711

Description:	MOUSE ANTI LIPOPROTEIN LIPASE
Specificity:	LIPOPROTEIN LIPASE
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	5D2
Isotype:	lgG1
Quantity:	0.2 mg

Product Details

Applications	This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit <u>www.bio-rad-antibodies.com/protocols</u> .				
		Yes No Not Determined Suggested Dilutio			
	Flow Cytometry			•	
	Immunohistology - Frozen			•	
	Immunohistology - Paraffin			•	
	ELISA	-			
	Immunoprecipitation	-			
	Western Blotting	-			
Target Species	necessarily exclude its us a guide only. It is recomn system using appropriate Bovine	nended th	at the use	r titrates the product f	
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. Please refer to references indicated for further information.				
Product Form	Purified IgG - liquid				
Preparation	Purified IgG prepared by	affinity ch	romatogra	aphy on Protein G fror	n tissue culture

	supernatant	
Buffer Solution	Phosphate buffered saline	
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)	
Carrier Free	Yes	
Approx. Protein Concentrations	IgG concentration 1.0mg/ml	
Immunogen	Purified bovine milk lipoprotein lipase.	
External Database Links	UniProt: <u>P11151</u> <u>Related reagents</u> Entrez Gene: <u>280843</u> LPL <u>Related reagents</u>	
RRID	AB_10922752	
Specificity	Mouse anti lipoprotein lipase antibody, clone 5D2 recogniz acids 380-410 of lipoprotein lipase (LPL), a member of the AB which plays a pivotal role in lipoprotein metabolism and transp enzyme in the hydrolysis of triglycerides and very low density I the release of free fatty acids into peripheral tissues. A deficiency of LPL can result in hypertriglyceridemia, and man the critical role which LPL plays in the pathogenesis of atheros the relationship between LPL and apolipoprotein E (ApoE), bor significant amounts by macrophages in developing arterial wal Mouse anti Lipoprotein lipase antibody, clone 5D2 is a unique differentiates between monomeric inactive and dimeric active I sequences involved in LPL, LPL receptor, and heparin interact Lipoprotein lipase antibody, clone 5D2 has been shown to inhil LPL (Chang <i>et al.</i> 1998).	hydrolase superfamily, ort, acting as the key ipoproteins (VLDLs), and hy studies have focused on cclerosis, and in particular th of which are secreted in I lesions. antibody which _PL, and binds to LPL ions. Mouse anti
ELISA	MCA5641 can be used in an indirect ELISA, or as the capture ELISA with <u>MCA5641B</u> or <u>MCA5641P</u> as the detection reagen	•
Western Blotting	MCA5641 detects a band of approximately 53kDa using partia postheparin plasma.	lly purified LPL from
References	1. Peterson, J. <i>et al.</i> (1992) Human lipoprotein lipase: relations affinity, and conformation as studied with monoclonal antibodies <u>1165-70.</u>	

	 Chang, S.F. <i>et al.</i> (1998) Detailed characterization of the bind lipase-specific monoclonal antibody 5D2. <u>J Lipid Res. 39 (12): 2</u> Hussain, M.M. <i>et al.</i> (2000) High affinity binding between lipop lipoproteins involves multiple ionic and hydrophobic interactions, activity, and is modulated by glycosaminoglycans. <u>J Biol Chem.</u> 	<u>350-9.</u> protein lipase and , does not require enzyme
Storage	Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing denature the antibody. Should this product contain a precipitate microcentrifugation before use.	
Guarantee	12 months from date of despatch	
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA5641 10040	
Regulatory	For research purposes only	

Related Products

Recommended Secondary Antibodies

Rabbit Anti Mou	se IgG (STAR12)	RPE	
Goat Anti Mouse	e IgG IgA IgM (STAR87)上	<u>IRP</u>	
Goat Anti Mouse	e IgG (STAR76)	<u>RPE</u>	
Goat Anti Mouse	e IgG (STAR70)	TITC	
Rabbit Anti Mou	se IgG (STAR13)	<u>IRP</u>	
Goat Anti Mouse	e IgG (Fc) (STAR120) <u>F</u>	TITC, HRP	
Rabbit Anti Mou	se IgG (STAR9)	TITC	
Goat Anti Mouse	e IgG (STAR77)	<u>IRP</u>	
Goat Anti Mouse	e IgG (H/L) (STAR117) 🗛	Alk. Phos., DyLight®488, DyLight®550	<u>0,</u>
	Ξ	DyLight®650, DyLight®680, DyLight®	<u>800,</u>
	E	TITC, HRP	
	00 265 7376 Worldwide	Tel: +44 (0)1865 852 700 Europe	Tel: +49 (0) 89 8090 95 21
	919 878 3751 ntibody_sales_us@bio-rad.com	Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets 'M368265:200529'

Printed on 16 May 2025

© 2025 Bio-Rad Laboratories Inc | Legal | Imprint