

Datasheet: MCA5639GA BATCH NUMBER 156231

Description:	MOUSE ANTI HUMAN APOLIPOPROTEIN E
Specificity:	APOLIPOPROTEIN E
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	WUE-4
lsotype:	lgG1
Quantity:	0.1 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 Dilution
	Flow Cytometry			•	
	Immunohistology - Frozen			•	
	Immunohistology - Paraffin				
	ELISA				1/100 - 1/1000
	Immunoprecipitation				
	Western Blotting	-			
Target Species	necessarily exclude its us a guide only. It is recomm system using appropriate Human	nended that	at the use	r titrates the product f	
Species Cross Reactivity	Reacts with: Mouse Does not react with:Sea I N.B. Antibody reactivity a reactivity is derived from personal communications further information.	and workin testing wit	g conditio hin our la	boratories, peer-revie	wed publications or
Product Form	Purified IgG - liquid				
Preparation	Purified IgG prepared by	affinity ch	romatogra	aphy on Protein G fror	m tissue culture

	supernatant	
Buffer Solution	Phosphate buffered saline	
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)	
Carrier Free	Yes	
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml	
Immunogen	Purified ApoHDL fraction.	
External Database Links	UniProt: <u>P02649</u> <u>Related reagents</u> Entrez Gene: <u>348</u> APOE <u>Related reagents</u>	
RRID	AB_10851827	
Fusion Partners	Spleen cells from immunised Balb/c mice were fused with cells myeloma cell line.	s of the Sp2/O-Ag14 mouse
Specificity	 Mouse anti Human Apolipoprotein E antibody, clone WUE-4 recognizes an epitope within amino acids 140-160 of human apolipoprotein E (Apo-E), a major component of very low-density lipoproteins (VLDLs). Apo-E is the principle apolipoprotein in the central nervous system, and is secreted by most organs into the plasma, playing a vital role in the binding, internalization and catabolism of triglyceride-rich lipoprotein constituents. Apo-E acts as a ligand for both the specific apo-E receptor (chylomicron remnant) of hepatic tissues, and the apoB,E (LDL) receptor. Three isoforms of Apo-E have been identified, ApoE2, E3 and E4, and have been linked with various disorders. ApoE2 has been shown to bind LPL receptors with low affinity, resulting in increased plasma cholesterol and triglyceride levels, and thereby an increased risk in cardiovascular disorders. ApoE4 is a high risk factor for Alzheimers disease (Sanan <i>et al.</i> 1994), and in particular late onset Alzheimer disease 2 (AD2), whilst ApoE3 is the most common isoform, and considered the normal/natural Apo-E genotype. 	
Western Blotting	Apo-E mediated binding of lipoproteins to the apoB,E cell rece MCA5639GA detects a major band of approximately 34-36kDa	
References	 Krul, E.S. <i>et al.</i> (1988) Heterogeneity of apolipoprotein E ep lipoproteins: importance for apolipoprotein E function. <u>J Lipid F</u> Fryer, J.D. <i>et al.</i> (2005) The low density lipoprotein receptor 	itope expression on human Res. 29 (10): 1309-25.

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Information <u>https://www.bio-rad-antibodies.com/SDS/MCA5639GA</u> 10040	Guarantee	12 months from date of despatch
Regulatory For research purposes only		https://www.bio-rad-antibodies.com/SDS/MCA5639GA
	Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...) RPE

Goat Anti Mouse IgG IgA IgM (STAR87)	HRP
Goat Anti Mouse IgG (STAR76)	RPE
Rabbit Anti Mouse IgG (STAR13)	HRP
Goat Anti Mouse IgG (STAR70)	FITC
Goat Anti Mouse IgG (H/L) (STAR117)	<u>Alk. Phos.</u> , <u>DyLight®488</u> , <u>DyLight®550</u> ,
	DyLight®650, DyLight®680, DyLight®800,
	FITC, HRP
Rabbit Anti Mouse IgG (STAR9)	<u>FITC</u>
Goat Anti Mouse IgG (STAR77)	HRP
Goat Anti Mouse IgG (Fc) (STAR120)	FITC, HRP
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