Datasheet: MCA90APC BATCH NUMBER 155114

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Description:	MOUSE ANTI HUMAN CD90:APC
Specificity:	CD90
Other names:	THY1
Format:	APC
Product Type:	Monoclonal Antibody
Clone:	F15-42-1
lsotype:	lgG1
Quantity:	100 TESTS

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	d Suggested Dilution		
	Flow Cytometry	•				
	Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.					
Target Species	Human					
Species Cross Reactivity	Reacts with: Cynomolgus monkey 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 conjugated to Allophycocyanin (APC) - lyophilised					
Reconstitution	Reconstitute with 1ml distilled water					
Max Ex/Em	Fluorophore	Excitation Max (r	m) Emission Max (nn	n)		
	APC	650	661			
Preparation	Purified IgG prepared by affinity chromatography on Protein A					

Buffer Solution	Phosphate buffered saline	
Preservative Stabilisers	0.09% Sodium Azide1% Bovine Serum Albumin5% Sucrose	
Immunogen	Purified human brain Thy-1.	
External Database Links	UniProt: <u>P04216</u> <u>Related reagents</u> Entrez Gene: <u>7070</u> THY1 <u>Related reagents</u>	
RRID	AB_10925686	
Fusion Partners	Spleen cells from immunised BALB/c mice were fused with cells of the mouse NS-1 myeloma cell line.	
Specificity	Mouse anti Human CD90 antibody, clone F15-42-1 recognizes the human CD90 cell surface antigen, a ~25 kDa glycoprotein homologous to rat Thy1. The antigen is expressed by a subset of CD34+ve cells in the bone marrow and by prothymocytes with the thymus. CD90 is also expressed extensively within the brain. Mouse anti Human CD90 antibody, clone F15-42-1 is routinely tested in flow cytometry of the MOLT4 cell line	in on
Flow Cytometry	Use 10ul of the suggested working dilution to label 10 ⁶ cells in 100ul.	
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	Use Distinct Combinations of Bioactive Molecules to Suppress	the Proliferation of Human	
	Hepatoblastoma and Colorectal Cancer Cells. Stem Cells Int. 2	<u>2019: 9748795.</u>	
Storage	Prior to reconstitution store at +4°C.		
	After reconstitution store at +4°C.		
	DO NOT FREEZE. This product should be stored undiluted. The stored undiluted of the stored undiluted of the store of the s	his product is photosensitive	
	and should be protected from light. Should this product contair	n a precipitate we	
	recommend microcentrifugation before use.		
Guarantee	12 months from date of despatch		
Health And Safety	Material Safety Datasheet documentation #20487 available at:		
Information	https://www.bio-rad-antibodies.com/SDS/MCA90APC		
	20487		
Regulatory	For research purposes only		

Related Products

Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL: APC (MCA928APC)

Recommended Useful Reagents

HUMAN SEROBLOCK (BUF070A) HUMAN SEROBLOCK (BUF070B)

North & South	Tel: +1 800 265 7376 Wor	rldwide	Tel: +44 (0)1865 852 700	Europe	Tel: +49 (0) 89 8090 95 21
America	Fax: +1 919 878 3751		Fax: +44 (0)1865 852 739		Fax: +49 (0) 89 8090 95 50
	Email: antibody_sales_us@bio-rad.com	1	Email: antibody_sales_uk@bio-rad	.com	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 'M376470:210202'

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