

Datasheet: MCA5973APC BATCH NUMBER 166135

Description:	MOUSE ANTI PIG CD27:APC
Specificity:	CD27
Other names:	SWC2
Format:	APC
Product Type:	Monoclonal Antibody
Clone:	B30C7
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> .						
	<u></u>	Yes	No	Not Determined	Suggested Dilution		
	Flow Cytometry	-			Neat		
	Where this product has necessarily exclude its a guide only. It is recon system using appropria	use in such nmended tha	procedu at the use	res. Suggested workin er titrates the product f	ig dilutions are given as		
Target Species	Pig						
Product Form	Purified IgG conjugated to Allophycocyanin (APC) - lyophilized						
Reconstitution	Reconstitute with 1.0 ml distilled water						
Max Ex/Em	Fluorophore	Excitation M	lax (nm)	Emission Max (nm)			
	APC	650		661			
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant						
Buffer Solution	Phosphate buffered saline						
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃) 1% Bovine Serum Albumin						

	5% Sucrose
Immunogen	Porcine peripheral blood monocytes.
External Database Links	UniProt: <u>F1SL30</u> <u>Related reagents</u>
Fusion Partners	Spleen cells from immunized Balb/c mice were fused with cells of the SP2/0-Ag14 myeloma cell line
Specificity	Mouse anti Pig CD27 antibody, clone B30C7 recognizes the porcine homologue of human CD27, previously known as Swine Workshop Cluster 2 (SWC2), a T-cell co-stimulatory molecule belonging to the TNF receptor family. In humans the CD27 antigen is expressed by discrete populations of T- and B-cells where it functions in a co-stimulatory role to induce proliferation of T-cells and B-cells, however, using the B30C7 clone, expression of CD27 on porcine B-cells appears undetectable (Reutner <i>et al.</i> 2012). Porcine CD27 is expressed by all naïve CD8a ^{-ve} T-helper cells and a sub-population of CD8a ^{+ve} cells (Reutner <i>et al.</i> 2012).
	subsets of NK cells and clone B30C7 may be used to differentiate between subsets of pig NK cells (<u>Mair <i>et al.</i> 2013</u>).
Flow Cytometry	Use 10ul of the suggested working dilution to label 10 ⁶ cells in 100ul
Flow Cytometry References	

	DO NOT FREEZE. This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.	
Guarantee	12 months from date of despatch	
Health And Safety Information	Material Safety Datasheet documentation #20487 available at: https://www.bio-rad-antibodies.com/SDS/MCA5973APC 20487	
Regulatory	For research purposes only	

Related Products

Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL:APC (MCA928APC)

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751	Worldwide	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739	Europe	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50		
Email: antibody_sales_us@bio-rad.com Email: antibody_sales_uk@		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 'M419499:230616'							
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