

Datasheet: MCA2289FA BATCH NUMBER 151454

Description:	RAT ANTI MOUSE DECTIN-1:FITC
Specificity:	DECTIN-1
Format:	FITC
Product Type:	Monoclonal Antibody
Clone:	2A11
lsotype:	lgG2b
Quantity:	50 µg

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	•							
	Where this antibody han necessarily exclude its a guide only. It is recor system using appropria	use in such p mmended that	procedur t the use	es. Suggested work r titrates the antibod	ing dilutions are given as				
Target Species	Mouse								
Product Form	Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid								
Max Ex/Em	Fluorophore	Excitation Ma	ax (nm)	Emission Max (nm)					
	FITC	490		525	-				
Preparation	Purified IgG prepared l supernatant	by affinity chro	omatogra	aphy on Protein G fr	om tissue culture				
Buffer Solution	Phosphate buffered saline								
Preservative Stabilisers	0.09% Sodium Azide 1% Bovine Serum A	Albumin							
Approx. Protein Concentrations	IgG concentration 0.1	mg/ml							

External Database Links	UniProt: <u>Q6QLQ4</u> <u>Related reagents</u>
	Entrez Gene: <u>56644</u> Clec7a <u>Related reagents</u>
Synonyms	Bgr, Clecsf12, Dectin1
RRID	AB_566381
Fusion Partners	Spleen cells from immunised Fischer rats were fused with cells of the rat Y3 myeloma cell line
Specificity	Rat anti Mouse Dectin-1 antibody, clone 2A11 recognizes murine beta-glucan receptor, also known as Dectin-1.Dectin-1 is predominantly expressed by cells of the monocyte/macrophage and neutrophil lineages, but also at lower levels by dendritic cells and a subpopulation of T cells.
	As a major leucocyte receptor for beta-glucan this molecule may have a key role in the immunomodulatory effects of beta-glucans and in the host response to fungal pathogens. Dectin-1 may stimulate reactive oxygen production in macropahges via the protein tyrosine kinase known as Syk.
	Rat anti Mouse Dectin-1 antibody, clone 2A11 inhibits the binding of zymosan to macrophages via the beta-glucan receptor.
Flow Cytometry	Use 10ul of the suggested working dilution to label 10 ⁶ cells in 100ul
References	 Brown, G.D. <i>et al.</i> (2002) Dectin-1 is a major beta-glucan receptor on macrophages. J Exp Med. 196 (3): 407-12. Taylor, P.R. <i>et al.</i> (2002) The beta-glucan receptor, dectin-1, is predominantly expressed on the surface of cells of the monocyte/macrophage and neutrophil lineages. J Immunol. 169 (7): 3876-82.
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			<u>112 (8): 2581-6.</u>					
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Storage		Store at +	4ºC or at -20	0°C if preferred.				
		This prod	uct should be	e stored undiluted.				
		-	n frost-free fro protected fro		ded. This prod	uct is photosensitive and		
		•		ng and thawing as this m ipitate we recommend r	-	•		
Guarante	ee	12 month	s from date c	of despatch				
Health A Informat	and Safety ion			neet documentation #10 tibodies.com/SDS/MCA		at:		
Regulatory For research purposes only								
North & South America	Tel: +1 800 265 Fax: +1 919 87 Email: antibody		Worldwide ad.com	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-	Europe rad.com	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com		
To find a b	patch/lot spec	ific datasheel	for this produ	ct, please use our online s 'M366557:200529'	earch tool at: bi	o-rad-antibodies.com/datasheets		
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