Datasheet: MCA1424F BATCH NUMBER 151409

Description:	MOUSE ANTI BOVINE CD21:FITC		
Specificity:	CD21		
Other names:	CR2		
Format:	FITC		
Product Type:	Monoclonal Antibody		
Clone:	CC21		
lsotype:	lgG1		

Product Details

Applications	This product has been derived from testing w	s been reported to work in the following applications. This information is sting within our laboratories, peer-reviewed publications or personal						
	communications from the originators. Please reter to references indicated for further information. For general protocol recommendations, please visit <u>www.bio-</u>							
	rad-antibodies.com/protocols.							
		Yes	No	Not Determined	Suggested Dilution			
	Flow Cytometry	-			Neat - 1/10			
	Where this antibody 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 antibody for use in their own system using appropriate negative/positive controls							
Target Species	Bovine							
Species Cross	Reacts with: Goat, She	eep, Red deer,	Mule de	er				
Reactivity	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 Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid							
Max Ex/Em	Fluorophore	Excitation Ma	x (nm) E	Emission Max (nm	1)			
	FITC	490		525				
Preparation	Purified IgG prepared supernatant	by affinity chro	omatograp	ohy on Protein A	from tissue culture			

Buffer Solution	Phosphate buffered saline
Preservative	0.09% Sodium Azide
Stabilisers	1% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 0.1 mg/ml
RRID	AB_323511
Fusion Partners	Spleen cells from immunised BALB/c mice were fused with cells of the mouse NSI myeloma cell line.
Specificity	Mouse anti Bovine CD21 monoclonal antibody, clone CC21 recognizes the bovine CD21 cell surface antigen, a ~145 kDa single pass type I membrane glycoprotein containing multiple <u>sushi</u> domains. CD21 is also known as complement receptor type 2. In cattle CD21 expression is restricted to B lymphocytes (<u>Naessens <i>et al.</i> 1990</u>). CD21 may be expressed on B cells as either a long or a short form (<u>Pringle <i>et al.</i> 2012</u>) Mouse anti bovine CD21, clone CC21 has been used to demonstrate the co-expression of CD21 with PrP ^c on B cells of scrapie infected sheep (<u>Halliday <i>et al.</i> 2005</u>).
Flow Cytometry	Use 10ul of the suggested working dilution to label 10 ⁶ cells in 100ul.
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Storage	Store at +4°C or at -20°C if preferred.
	This product should be stored undiluted.
	Storage in frost free freezers is not recommended. This product is photosensitive and should be protected from light.
	Avoid repeated freezing and thawing as this may denature the antibody. 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 #10041 available at: https://www.bio-rad-antibodies.com/SDS/MCA1424F 10041
Regulatory	For research purposes only

Related Products

Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL: FITC (MCA928F)

North & South	Tel: +1 800 265 7376 Worldwide	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	Email: antibody_sales_uk@bio-r	ad.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 M365288:200529'

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