

Datasheet: MCA2213PE

Description:	MOUSE ANTI SHEEP CD4:RPE
Specificity:	CD4
Format:	RPE
Product Type:	Monoclonal Antibody
Clone:	44.38
Isotype:	lgG2a
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 www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	•			Neat - 1/5

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	Sheep				
Species Cross	Reacts with: Goat				
Reactivity	•	,	ons may vary between species. Cr		
		_	aboratories, peer-reviewed publicat ors. Please refer to references indic		
	further information.				
Product Form	Purified IgG conjug	ated to R. Phycoerythrin	(RPE) - lyophilized		
Reconstitution	Reconstitute with 1 ml distilled water				
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)		
	RPE 488nm laser	496	578		
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	Fetal thymocytes.		
External Database Links	UniProt: P05542 Related reagents		
RRID	AB_2244696		
Fusion Partners	Spleen cells from immunized BALB/c mice were fused with cells of the mouse P3-NS1/1-Ag-4-1 myeloma cell line.		
Specificity	Mouse anti Sheep CD4 antibody, clone 44.38 recognizes the ovine CD4 cell surface glycoprotein, expressed by a subset of mature T lymphocytes. Mouse anti Sheep CD4 antibody, clone 44.38 immunoprecipitates a protein of ~56 kDa under reducing conditions.		
Flow Cytometry	Use 10μl of the suggested working dilution to label 10 ⁶ cells in 100μl		
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blood. BMC Vet Res. 18 (1): 165. 31. Yang, J. et al. (2023) Recombinant antigen P29 of Echinococcus granulosus induces Th1, Tc1, and Th17 cell immune responses in sheep. Front Immunol. 14: 1243204. **Further Reading** 1. Lybeck, K. R. et al. (2009) Neutralization of interleukin-10 from CD14(+) monocytes enhances gamma interferon production in peripheral blood mononuclear cells from Mycobacterium avium subsp. paratuberculosis-infected goats. Clin. Vaccine. Immunol. 16: 1003-11. **Storage** Prior to reconstitution store at +4°C. Following reconstitution store at +4°C. 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** Material Safety Datasheet documentation #20487 available at: Information https://www.bio-rad-antibodies.com/SDS/MCA2213PE 20487

Related Products

Regulatory

America

Recommended Negative Controls

MOUSE IgG2a NEGATIVE CONTROL:RPE (MCA929PE)

North & South Tel: +1 800 265 7376

Worldwide

For research purposes only

Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Europe

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets 'M437801:250319'

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