

Datasheet: MCA2216F

Description:	MOUSE ANTI SHEEP CD8:FITC		
Specificity:	CD8		
Format:	FITC		
Product Type:	Monoclonal Antibody		
Clone:	38.65		
Isotype:	lgG2a		
Quantity:	0.1 mg		

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 - 1/10

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 Reactivity	reactivity is derive	ctivity and working condition of the street	ions may vary between species. Cross aboratories, peer-reviewed publications of ors. Please refer to references indicated t		
Product Form	Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid				
Max Ex/Em	Fluorophore FITC	Excitation Max (nm) 490	Emission Max (nm) 525		
Preparation	Purified IgG prepa	ared by affinity chromatog	raphy on Protein G from tissue culture		
Buffer Solution	Phosphate buffere	ed saline			

0.09% sodium azide (NaN ₃)				
1% bovine serum albumin				
IgG concentration 0.1 mg/ml				
Ovine efferent lymphocytes.				
AB_321147				
Spleen cells from immunised BALB/c mice were fused with cells of the mouse NS-1 myeloma cell line.				
Mouse anti Sheep CD8 antibody, clone 38.65 recognizes the ovine CD8 cell surface antigen, which is expressed by the cytotoxic/suppressor subset of T lymphocytes.				
Under reducing conditions, the antigens immunoprecipitated by Mouse anti Sheep CD8 antibody, clone 38.65 migrate at ~33 kDa and ~36 kDa.				
Use 10 μ l of the suggested working dilution to label 10 6 cells in 100 μ l				
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Intraamniotic IL-1 alpha in fetal sheep. <u>Am J Physiol Lung Cell Mol Physiol.</u> 301(3):L285-95

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- 18. Ramos, A. *et al.* (2018) Melatonin enhances responsiveness to Dichelobacter nodosus vaccine in sheep and increases peripheral blood CD4 T lymphocytes and IgG-expressing B lymphocytes. Vet Immunol Immunopathol. 206: 1-8.
- 19. Curina, G. *et al.* (2018) Evaluation of immune responses in mice and sheep inoculated with a live attenuated *Brucella melitensis*. REV1 vaccine produced in bioreactor. <u>Vet Immunol Immunopathol. 198: 44-53.</u>
- 20. Baliu-piqué, M. *et al.* (2019) Age-related distribution and dynamics of T-cells in blood and lymphoid tissues of goats. <u>Dev Comp Immunol. 93: 1-10.</u>
- 21. Wooldridge, A.L. *et al.* (2019) Maternal allergic asthma during pregnancy alters fetal lung and immune development in sheep: potential mechanisms for programming asthma and allergy. J Physiol. 597 (16): 4251-62.
- 22. Schwarz, E.R. *et al.* (2020) Experimental Infection of Mid-Gestation Pregnant Female and Intact Male Sheep with Zika Virus. Viruses. 12 (3)Mar 07 [Epub ahead of print].
- 23. Zhang, H. *et al.* (2020) Thiamine ameliorates inflammation of the ruminal epithelium of Saanen goats suffering from subacute ruminal acidosis. <u>J Dairy Sci. 103 (2): 1931-43.</u>
- 24. Ducournau, C. *et al.* (2020) Effective Nanoparticle-Based Nasal Vaccine Against Latent and Congenital Toxoplasmosis in Sheep. <u>Front Immunol. 11: 2183.</u>
- 25. Yang, J. *et al.* (2022) Baseline T-lymphocyte and cytokine indices in sheep peripheral blood. <u>BMC Vet Res. 18 (1): 165.</u>
- 26. 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.

Storage

This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.

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/MCA2216F

Regulatory For research purposes only

Related Products

Recommended Negative Controls

MOUSE IgG2a NEGATIVE CONTROL:FITC (MCA929F)

 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

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets 'M413341:221121'

Printed on 12 Apr 2024

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