

Datasheet: MCA2216F BATCH NUMBER 162878

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 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	Sheep			
Species Cross Reactivity	reactivity is derived	ctivity and working condit d from testing within our l cations from the originate	aboratories, peer-re	eviewed publications or
Product Form	Purified IgG conjug	gated to Fluorescein Isotl	niocyanate Isomer	1 (FITC) - liquid
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nn	1)
	FITC	490	525	
Preparation	Purified IgG prepares supernatant	red by affinity chromatog	raphy on Protein G	from tissue culture
Buffer Solution	Phosphate buffere	d saline		

Preservative Stabilisers	0.09% Sodium Azide 1% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 0.1 mg/ml
Immunogen	Ovine efferent lymphocytes.
RRID	AB_321147
Fusion Partners	Spleen cells from immunised BALB/c mice were fused with cells of the mouse NS-1 myeloma cell line.
Specificity	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.
Flow Cytometry	Use 10ul of the suggested working dilution to label 10 ⁶ cells in 100ul.
References	 Maddox, J.F. et al. (1985) Surface antigens, SBU-T4 and SBU-T8, of sheep T lymphocyte subsets defined by monoclonal antibodies. Immunology.55 (4): 739-48. Mackay, C.R. et al. (1986) Three distinct subpopulations of sheep T lymphocytes. Eur J lmmunol.16 (1): 19-25. Mackay, C.R. et al. (1987) A monoclonal antibody to the p220 component of sheep LCA identifies B cells and a unique lymphocyte subset. Cell lmmunol.110 (1): 46-55. Mackay, C.R. et al. (1989) Gamma/delta T cells express a unique surface molecule appearing late during thymic development. Eur J lmmunol.10 (1): 46-55. Mackay, C.R. et al. (1986) Thymocyte subpopulations during early fetal development in sheep. J lmmunol.136 (5): 1592-9. Breugelmans, S. et al. (2010) Immunoassay of lymphocyte subsets in ovine palatine tonsils. Acta Histochem.113(4):416-22 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 (7): 1003-11. Chan, S.S. et al. (2002) Generation and characterization of ovine dendritic cells derived from peripheral blood monocytes. Immunology.107: 366-72. Elhmouzi-Younes, J. et al. (2010) Ovine CD16+/CD14- blood lymphocytes present all the major characteristics of natural killer cells. Yet Res.41: 4. Lybeck, K.R. et al. (2009) Neutralization of interleukin-10 from CD14(+) monocytes enhances gamma interferon production in peripheral blood mononuclear cells from

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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 10041

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 'M385648:210513'

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