

Datasheet: MCA2216PE

BATCH NUMBER 162879

Description:	MOUSE ANTI SHEEP CD8:RPE
Specificity:	CD8
Format:	RPE
Product Type:	Monoclonal Antibody
Clone:	38.65
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 - 1/10

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	Reacts with: Bovine	e, Goat				
Reactivity	reactivity is derived	from testing within our I	ons may vary between species. Croaboratories, peer-reviewed publicators. Please refer to references indic	ions		
Product Form	Purified IgG conjugated 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 prepar supernatant	ed by affinity chromatog	raphy on Protein G from tissue cultu	ure		

Buffer Solution	Phosphate buffered saline
Preservative	0.09% Sodium Azide
Stabilisers	1% Bovine Serum Albumin
	5% Sucrose
Immunogen	Ovine efferent lymphocytes.
RRID	AB_566897
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	1. Maddox, J.F. et al. (1985) Surface antigens, SBU-T4 and SBU-T8, of sheep T lymphocyte subsets defined by monoclonal antibodies. lmmunology.55 (4): 739-48. 2. Mackay, C.R. et al. (1986) Three distinct subpopulations of sheep T lymphocytes. Eur J lmmunol.16 (1): 19-25. 3. 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. 4. Mackay, C.R. et al. (1989) Gamma/delta T cells express a unique surface molecule appearing late during thymic development. Eur J lmmunol.110 (1): 46-55. 5. Mackay, C.R. et al. (1986) Thymocyte subpopulations during early fetal development in sheep. J lmmunol.136 (5): 1592-9. 6. Breugelmans, S. et al. (2010) Immunoassay of lymphocyte subsets in ovine palatine tonsils. Acta Histochem.113(4):416-22 7. 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 lmmunol.16 (7): 1003-11. 8. Chan, S.S. et al. (2002) Generation and characterization of ovine dendritic cells derived from peripheral blood monocytes. Immunology.107 : 366-72. 9. Elhmouzi-Younes, J. et al. (2010) Ovine CD16+/CD14- blood lymphocytes present all the major characteristics of natural killer cells. Vet Res. 41 : 4. 10. 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 lmmunol. 16 : 16: 1003-11.

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Intraamniotic IL-1 alpha in fetal sheep. Am J Physiol Lung Cell Mol Physiol.

301(3):L285-95

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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 Information

Material Safety Datasheet documentation #20487 available at: https://www.bio-rad-antibodies.com/SDS/MCA2216PE
20487

Regulatory For research purposes only

Related Products

Recommended Negative Controls

MOUSE IgG2a NEGATIVE CONTROL:RPE (MCA929PE)

 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 'M375433:210104'

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