

Datasheet: MCA2166PE

	CD8 ALPHA
Format:	RPF
Product Type:	Monoclonal Antibody
Clone:	11-39
Isotype:	lgG1
Quantity:	100 TESTS/1ml

Product Details

Applications	This product has been derived from testing w communications from information. For gene rad-antibodies.com/pr	vithin our laborat the originators. ral protocol reco	ories, peer-revie Please refer to r	ewed publicat	ions or personal licated for further
		Yes	No Not De	termined	Suggested Dilution
	Flow Cytometry	-			Neat - 1/5
	Where this product ha	as not been teste	ed for use in a pa	articular techi	nique this does not
	necessarily exclude it a guide only. It is reco system using appropr	ommended that t	he user titrates t	-	g dilutions are given as or use in their own
Target Species	Chicken				
Species Cross Reactivity	Reacts with: Turkey N.B. Antibody reactivi reactivity is derived fro personal communicat further information.	om testing withir	our laboratories	s, peer-reviev	ved publications or
Product Form	Purified IgG conjugate	ed to R. Phycoe	ythrin (RPE) - ly	rophilized	
Reconstitution	Reconstitute with 1.0	ml distilled wate	r		
Max Ex/Em	Fluorophore	Excitation Max	(nm) Emission	Max (nm)	
	RPE 488nm laser	496		78	
Preparation	Purified IgG prepared supernatant	by affinity chror	natography on P	Protein G from	n tissue culture

Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% sodium azide (NaN ₃) 1% bovine serum albumin 5% sucrose
Immunogen	Chicken T-cells.
RRID	AB_2260137
Fusion Partners	Lymph node cells from immunised Balb/c mice were fused with cells of the SP2/0 myeloma cell line.
Specificity	Mouse anti chicken CD8 alpha, clone 11-39 recognizes the alpha chain of the chicken CD8 homologue, a 33-35 kDa cell surface protein. CD8 is expressed as either alpha/alpha homodimers or alpha/beta heterodimers on a subpopulation of T cells and NK cells. Mouse anti chicken CD8 alpha, clone 11-39 recognizes all polymorphic forms of chicken CD8 alpha.
	Mouse anti chicken CD8 alpha, clone 11-39 has been demonstrated to cross react with Turkey (<u>Li <i>et al.</i> 1999</u>).
Flow Cytometry	Use 10µl of the suggested working dilution to label 10^6 cells in $100µl$
References	 Luhtala, M. <i>et al.</i> (1995) Characterization of chicken CD8-specific monoclonal antibodies recognizing novel epitopes. <u>Scand J Immunol. 42 (1): 171-4.</u> Luhtala, M. <i>et al.</i> (1997) Polymorphism of chicken CD8-alpha, but not CD8-beta. <u>Immunogenetics. 46 (5): 396-401.</u> Li, Z. <i>et al.</i> (1999) Cross-reactive anti-chicken CD4 and CD8 monoclonal antibodies suggest polymorphism of the turkey CD8alpha molecule. <u>Poult Sci. 78 (11): 1526-31.</u> McKenna, G.F. (2003) Immunopathologic investigations with an attenuated chicken anemia virus in day-old chickens. <u>Avian Dis. 47: 1339-45.</u> Morimura, T. <i>et al.</i> (1996) Apoptosis and CD8-down-regulation in the thymus of chickens infected with Marek's disease virus. <u>Arch Virol. 141 (11): 2243-9.</u> Luhtala M (1998) Chicken CD4, CD8alphabeta, and CD8alphaalpha T cell co-receptor molecules. <u>Poult Sci. 77 (12): 1858-73.</u> Imhof, B.A. <i>et al.</i> (2000) Intestinal CD8 alpha alpha and CD8 alpha beta intraepithelial lymphocytes are thymus derived and exhibit subtle differences in TCR beta repertoires. J <u>Immunol. 165 (12): 6716-22.</u> Arstila, T.P. & Lassila, O. (1993) Androgen-induced expression of the peripheral blood gamma delta T cell population in the chicken. <u>J Immunol. 151 (12): 6627-33.</u> Bohls, R.L. <i>et al.</i> (2000) The use of flow cytometry to discriminate avian lymphocytes from contaminating thrombocytes. <u>Dev Comp Immunol. 30 (9): 843-50.</u> Powell, F.L. <i>et al.</i> (2009) The turkey, compared to the chicken, fails to mount an effective early immune response to Histomonas meleagridis in the gut. <u>Parasite Immunol. 31 (6): 312-27.</u> Katevuo, K. & Vainio, O. (1996) Thymocyte emigration in the chicken: an over-representation of CD4+ cells over CD8+ in the periphery. <u>Immunology. 89 (3)</u>:

<u>419-23.</u>

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Storage

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets 'M440446:250523'

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