

Datasheet: MCA1043PE

BATCH NUMBER 171816

Description:	RAT ANTI DOG CD45R:RPE
Specificity:	CD45R
Format:	RPE
Product Type:	Monoclonal Antibody
Clone:	YKIX753.22.2
Isotype:	IgG2b
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

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	Dog		
Product Form	Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilized		
Reconstitution	Reconstitute with 1ml 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 G from tissue culture supernatant		
Buffer Solution	Phosphate buffered saline		
Preservative	0.09% sodium azide (NaN ₃)		
Stabilisers	1% bovine serum albumin 5% sucrose		

Immunogen	Canine thymocytes
RRID	AB_322645
Fusion Partners	Spleen cells from immunized DA rat were fused with cells of the Y3/Ag1.2.3 rat myeloma cell line
Specificity	Rat anti Dog CD45R antibody, clone YKIX753.22.2 recognizes canine CD45R and was clustered at the First Canine Leucocyte Antigen Workshop (CLAW). It precipitates an antigen of 220 kDa from Con A Blasts, (Cobbold et al. 1994). It is expressed on subsets of leucocytes in canine blood of all outbred mongrels and beagles tested. Rat anti dog CD45R, clone YKIX753.22.2 binds to antigen immunoprecipitated by the Rat anti Dog CD45 antibody clone YKIX716.13 (Cobbold et al. 1994).
Flow Cytometry	Use 10µl of the suggested working dilution to label 1 x 10 ⁶ cells in 100µl
References	<ol style="list-style-type: none"> Cobbold, S. & Metcalfe, S. (1994) Monoclonal antibodies that define canine homologues of human CD antigens: summary of the First International Canine Leukocyte Antigen Workshop (CLAW). Tissue Antigens 43 (3): 137-54. Reis, A.B. et al. (2005) Establishment of a microplate assay for flow cytometric assessment and its use for the evaluation of age-related phenotypic changes in canine whole blood leukocytes. Vet Immunol Immunopathol. 103 (3-4): 173-85. Reis, A.B. et al. (2006) Phenotypic features of circulating leucocytes as immunological markers for clinical status and bone marrow parasite density in dogs naturally infected by <i>Leishmania chagasi</i>. Clin Exp Immunol. 146: 303-11. Giunchetti, R.C. et al. (2008) Antigenicity of a whole parasite vaccine as promising candidate against canine leishmaniasis. Res Vet Sci. 85 (1): 106-12. Reis, A.B. et al. (2014) Cellular immunophenotypic profile in the splenic compartment during canine visceral leishmaniasis. Vet Immunol Immunopathol. 157 (3-4): 190-6. Pawlak, A., et al. (2014) Immunophenotypic characterization of canine malignant lymphoma: a retrospective study of cases diagnosed in Poland Lower Silesia, over the period 2011–2013. Vet Comp Oncol. 10.1111/vco.12112.
Storage	<p>This product is shipped at ambient temperature.</p> <p>Prior to reconstitution store at +4°C. Following reconstitution store at +4°C.</p> <p>DO NOT FREEZE.</p> <p>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.</p>
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/MCA1043PE
Regulatory	For research purposes only

Related Products

Recommended Negative Controls

[RAT IgG2b NEGATIVE CONTROL:RPE \(MCA6006PE\)](#)

Product inquiries: www.bio-rad-antibodies.com/technical-support

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M439504:250523'

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