Datasheet: MCA1043GA

Description:	RAT ANTI DOG CD45R
Specificity:	CD45R
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	YKIX753.22.2
Isotype:	IgG2b
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	▪			1/50 - 1/100
Immunohistology - Frozen	▪			
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation	▪			
Western Blotting			▪	
Cytotoxic Assays	▪			

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	Dog
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN_3)
Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Canine thymocytes
Fusion Partners	Spleen cells from immunised 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 10ul of the suggested working dilution to label 1 x 10^6 cells in 100ul
References	1. 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. 2. 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 *Leishmania chagasi.* Clin Exp Immunol.146: 303-11. 3. 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. 4. 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. 5. 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. 6. Reis, A.B. *et al.* (2005) Establishment of a microplate assay for flow cytometric assessment and it is use for the evaluation of age-related phenotypic changes in canine whole blood leukocytes. Vet Immunol Immunopathol. 103 (3-4): 173-85.
Storage	Store at +4°C or at -20°C if preferred. This product should be stored undiluted. Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Shelf Life	18 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: 10040: https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Rat IgG (STAR16...)	DyLight®800
Goat Anti Rat IgG (STAR73...)	RPE
Rabbit Anti Rat IgG (STAR21...)	HRP
Rabbit Anti Rat IgG (STAR17...)	FITC
Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...)	DyLight®549, DyLight®649, DyLight®800
Goat Anti Rat IgG (STAR131...)	Alk. Phos., Biotin
Goat Anti Rat IgG (STAR69...)	FITC

Recommended Negative Controls

RAT IgG2b NEGATIVE CONTROL (MCA6006GA)

North & South America Tel: +1 800 265 7376
Fax: +1 919 878 3751
Email: antibody_sales_us@bio-rad.com

Worldwide Tel: +44 (0)1865 852 700
Fax: +44 (0)1865 852 739
Email: antibody_sales_uk@bio-rad.com

Europe Tel: +49 (0) 89 8090 95 21
Fax: +49 (0) 89 8090 95 50
Email: antibody_sales_de@bio-rad.com

'M315155:180503'

Printed on 05 May 2018

© 2018 Bio-Rad Laboratories Inc | Legal | Imprint