

Datasheet: MCA1781PE

BATCH NUMBER 157028

Description:	MOUSE ANTI CANINE CD21:RPE
Specificity:	CD21
Format:	RPE
Product Type:	Monoclonal Antibody
Clone:	CA2.1D6
Isotype:	lgG1
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 (1)	•			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.

(1) N.B. MCA1781PE should NOT be used with MCA1774F (mouse anti canine CD3), in dual colour flow cytometry, due to non-specific interactions between the two reagents.

Target Species	Dog			
Species Cross	Reacts with: Horse,	Cat, Raccoon		
Reactivity	reactivity is derived	vity and working condit from testing within our l ations from the originato	aboratories, peer-revi	ewed publications or
Product Form	Purified IgG conjuga	ited to R. Phycoerythrin	(RPE) - lyophilized	
Reconstitution	Reconstitute with 1 i	ml distilled water		
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)	

Preparation	Purified IgG prepared by affinity chromatography on Protein G	
Buffer Solution	Phosphate buffered saline	
Preservative Stabilisers	0.09% Sodium Azide1% Bovine Serum Albumin5% Sucrose	
RRID	AB_323238	
Specificity	Mouse anti Canine CD21 antibody, clone CA2.1D6 recognize known as Complement receptor type 2. CD21 is a cell surface a	

Mouse anti Canine CD21 antibody, clone CA2.1D6 recognizes canine CD21, also known as Complement receptor type 2. CD21 is a cell surface antigen expressed by canine B lymphocytes.

The antigen recognized may be the canine homologue of human CD21, but this has not been fully confirmed.

Mouse anti Canine CD21 antibody, clone CA2.1D6 also recognizes the CD21 antigen in Felids. Expression in cats is analogous to that seen in dogs with strong expression on lymphocytes, in a manner mutually exclusive with expression of CD4 or CD8. Mouse anti Canine CD21 antibody, clone CA2.1D6 immunoprecipitates a ~145 kDa protein from feline lymphocytes, similar to the protein immunoprecipitated by the antibody from canine lymphocytes (Dean et al. 1996).

Flow Cytometry

Use 10ul of the suggested working dilution to label 10⁶ cells or cells or 100ul whole blood.

References

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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/MCA1781PE 20487
Regulatory	For research purposes only

Related Products

Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL:RPE (MCA928PE)

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America Fax: +1 919 878 3751

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Printed on 15 Apr 2024