

Datasheet: MCA2036S

Description:	MOUSE ANTI DOG CD45RA
Specificity:	CD45RA
Format:	S/N
Product Type:	Monoclonal Antibody
Clone:	CA4.1D3
Isotype:	IgG1
Quantity:	2 ml

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
Immunohistology - Frozen	▪			
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation			▪	

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	Tissue culture supernatant - liquid
Preservative Stabilisers	<0.1% sodium azide (NaN ₃)
RRID	AB_323368

Specificity **Mouse anti Dog CD45RA antibody, clone CA4.1D3** recognizes the canine homologue of CD45RA, clustered at the first International canine leukocyte Antigen Workshop ([Cobbold et al. 1994](#)). Clone CA4.1D3 identifies a cell surface glycoprotein expressed by B lymphocytes, a subset of T-lymphocytes, monocytes and thymocytes ([Moore et al. 1990](#))

Flow Cytometry Use 10µl of the suggested working dilution to label 10⁶ cells in 100µl

References

1. Caniatti, M. *et al.* (1996) Canine lymphoma: immunocytochemical analysis of fine-needle aspiration biopsy. [Vet Pathol. 33 \(2\): 204-12.](#)
2. 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.](#)
3. Bauer, T.R. Jr *et al.* (2006) Correction of the disease phenotype in canine leukocyte adhesion deficiency using *ex vivo* hematopoietic stem cell gene therapy. [Blood. 108 \(10\): 3313-20.](#)
4. Ting-De Ravin SS *et al.* (2006) Correction of canine X-linked severe combined immunodeficiency by *in vivo* retroviral gene therapy. [Blood. 107 \(8\): 3091-7.](#)
5. Bauer, T.R. Jr *et al.* (2013) Long-term follow-up of foamy viral vector-mediated gene therapy for canine leukocyte adhesion deficiency. [Mol Ther. 21 \(5\): 964-72.](#)
6. Rütgen BC *et al.* (2012) Authentication of primordial characteristics of the CLBL-1 cell line prove the integrity of a canine B-cell lymphoma in a murine *in vivo* model. [PLoS One. 7 \(6\): e40078.](#)
7. Alderberth, I *et al.* (2015) Prevention of Inflammatory Disorders in Domestic Non-Human Mammals [US Patent Publication number US20150079131 A1](#)
8. Hartley, A.N. & Tarleton, R.L. (2015) Chemokine receptor 7 (CCR7)-expression and IFN γ production define vaccine-specific canine T-cell subsets. [Vet Immunol Immunopathol. 164 \(3-4\): 127-36.](#)

Storage

This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

Guarantee

12 months from date of despatch

Health And Safety Information

Material Safety Datasheet documentation #10336 available at: 10336: <https://www.bio-rad-antibodies.com/uploads/MSDS/10336.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight@488 , DyLight@550 , DyLight@650 , DyLight@680 , DyLight@800 , FITC , HRP

Rabbit Anti Mouse IgG (STAR13...) [HRP](#)

Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

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