

Datasheet: MCA1775S

BATCH NUMBER 168664

Description:	MOUSE ANTI DOG CD8 BETA
Specificity:	CD8 BETA
Format:	S/N
Product Type:	Monoclonal Antibody
Clone:	CA15.4G2
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 (1)	▪			1/10
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.

(1)The epitope recognised by this antibody is reported to be sensitive to formaldehyde fixation and tissue processing. Bio-Rad recommends the use of acetone fixation for frozen sections.

Target Species	Dog
Product Form	Tissue culture supernatant - liquid
Preservative Stabilisers	<0.1% sodium azide (NaN ₃)
RRID	AB_1220541

Specificity **Mouse anti Dog CD8 beta antibody, clone CA15.4G2** recognises the canine CD8 β cell

surface antigen, expressed by cytotoxic/suppressor T lymphocytes that interact with MHC Class I expressing targets.

Flow Cytometry Use 20µl of the suggested working dilution to label 10⁶ cells or 100µl whole blood

- References**
1. Moreno, J. *et al.* (1999) The immune response and PBMC subsets in canine visceral leishmaniasis before, and after, chemotherapy. [Vet Immunol Immunopathol. 71: 181-95.](#)
 2. Vernau, W. and Moore, P.F. (1999) An immunophenotypic study of canine leukemias and preliminary assessment of clonality by polymerase chain reaction. [Vet Immunol Immunopathol. 69: 145-64.](#)
 3. Sonea, I.M. *et al.* (2000) Flow cytometric analysis of colonic and small intestinal mucosal lymphocytes obtained by endoscopic biopsy in the healthy dog. [Vet Immunol Immunopathol. 77: 103-19.](#)
 4. Pumarola, M. *et al.* (2004) Canine inflammatory myopathy: analysis of cellular infiltrates. [Muscle Nerve. 29: 782-9.](#)
 5. Wilkerson, M.J. *et al.* (2005) Lineage differentiation of canine lymphoma/leukemias and aberrant expression of CD molecules. [Vet Immunol Immunopathol. 106: 179-96.](#)
 6. Gauthier, M.J. *et al.* (2005) The immunophenotype of peripheral blood lymphocytes in clinically healthy dogs and dogs with lymphoma in remission. [J Vet Intern Med. 19: 193-9.](#)
 7. Kisseberth, W.C. *et al.* (2007) A novel canine lymphoma cell line: a translational and comparative model for lymphoma research. [Leuk Res. 31: 1709-20.](#)
 8. Luckschander, N. *et al.* (2009) Phenotyping, functional characterization, and developmental changes in canine intestinal intraepithelial lymphocytes. [Vet Res. 40: 58.](#)
 9. Izci C *et al.* (2015) Clinical and light microscopic studies of the conjunctival tissues of dogs with bilateral keratoconjunctivitis sicca before and after treatment with topical 2% cyclosporine. [Biotech Histochem. 90 \(3\): 223-30.](#)

Further Reading 1. Moore, P.F. *et al.* (1992) Monoclonal antibodies specific for canine CD4 and CD8 define functional T lymphocyte subsets and high density expression of CD4 by canine neutrophils. [Tissue Antigens 40: 75-85.](#)

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: <https://www.bio-rad-antibodies.com/SDS/MCA1775S>
10336

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (STAR70...)	FITC
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 (STAR9...)	FITC
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Goat Anti Mouse IgG (STAR77...)	HRP

Recommended Negative Controls

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

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
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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M431849:240819'

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