

Datasheet: MCA1775S

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

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