

## Datasheet: MCA1775S

<b>Description:</b>	MOUSE ANTI DOG CD8 BETA
<b>Specificity:</b>	CD8 BETA
<b>Format:</b>	S/N
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	CA15.4G2
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	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](http://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 antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. It is recommended that the user titrates the antibody 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.**

<b>Target Species</b>	Dog
<b>Product Form</b>	Tissue Culture Supernatant - liquid
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide
<b>RRID</b>	AB_1220541

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

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

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**Flow Cytometry** Use 20ul of the suggested working dilution to label 10<sup>6</sup> cells or 100ul whole blood.

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**References**

1. Luckschander, N. *et al.* (2009) Phenotyping, functional characterization, and developmental changes in canine intestinal intraepithelial lymphocytes. [Vet Res. 40: 58.](#)
2. Pumarola, M. *et al.* (2004) Canine inflammatory myopathy: analysis of cellular infiltrates. [Muscle Nerve. 29: 782-9.](#)
3. 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.](#)
4. 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.](#)
5. 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.](#)
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. 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.](#)
8. Wilkerson, M.J. *et al.* (2005) Lineage differentiation of canine lymphoma/leukemias and aberrant expression of CD molecules. [Vet Immunol Immunopathol. 106: 179-96.](#)
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.](#)

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**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.](#)

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**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.

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**Guarantee** 12 months from date of despatch

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**Health And Safety Information** Material Safety Datasheet documentation #10040 available at: 10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

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**Regulatory** For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	<a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR12...)	<a href="#">RPE</a>
Rabbit Anti Mouse IgG (STAR8...)	<a href="#">DyLight®800</a>
Goat Anti Mouse IgG (STAR76...)	<a href="#">RPE</a>
Rabbit Anti Mouse IgG (STAR9...)	<a href="#">FITC</a>
Goat Anti Mouse IgG (Fc) (STAR120...)	<a href="#">FITC</a> , <a href="#">HRP</a>
Goat Anti Mouse IgG IgA IgM (STAR87...)	<a href="#">Alk. Phos.</a> , <a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR13...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (H/L) (STAR117...)	<a href="#">Alk. Phos.</a> , <a href="#">DyLight®488</a> , <a href="#">DyLight®680</a> , <a href="#">DyLight®800</a> , <a href="#">FITC</a> , <a href="#">HRP</a>
Goat Anti Mouse IgG (STAR70...)	<a href="#">FITC</a>

## Recommended Negative Controls

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

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
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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](https://bio-rad-antibodies.com/datasheets)

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