

Datasheet: DC047

**BATCH NUMBER 154471**

<b>Description:</b>	ANTI DOG CD3:FITC/CD8:RPE
<b>Specificity:</b>	CD3/CD8
<b>Format:</b>	FITC/RPE
<b>Product Type:</b>	Dual Color Reagent
<b>Clone:</b>	CA17.2A12 / YCATE55.9
<b>Isotype:</b>	Cocktail
<b>Quantity:</b>	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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			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 systems using appropriate negative/positive controls.

**Antibody Isotypes** FITC reagent: IgG1 (MOUSE)  
RPE reagent: IgG1 (RAT)

**Target Species** Dog

**Product Form** Dual Colour combination consisting of FITC conjugated and RPE conjugated monoclonal antibodies mixed in optimal ratio - lyophilised.

**Reconstitution** Reconstitute with 1.0 ml distilled water

Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	FITC	490	525
	RPE 488nm laser	496	578
	RPE 561nm laser	546	578

**Buffer Solution** Phosphate buffered saline

<b>Preservative</b>	0.09% Sodium Azide
<b>Stabilisers</b>	1% Bovine Serum Albumin
	5% Sucrose

**External Database**

**Links**

**UniProt:**

[P27597](#)      [Related reagents](#)

[P33706](#)      [Related reagents](#)

**Entrez Gene:**

[442981](#) CD3E [Related reagents](#)

[403157](#) CD8A [Related reagents](#)

**RRID** AB\_324122

**Specificity**

**Anti Canine CD3 / CD8 dual color reagent** is a dual colour reagent recognising canine CD3 and CD8 cell surface antigens. Clone CA17.2A12 recognises canine CD3, a T cell differentiation antigen expressed on mature T lymphocytes.

Clone YCATE 55.9 recognises canine CD8, which is expressed by cytotoxic T cells. YCATE 55.9 binds to CD8 alpha.

**Flow Cytometry**

Use 10ul of the suggested working dilution to label 10<sup>6</sup> cells in 100ul.

**References**

1. Sakai, M *et al.* (2006) Phenotypic analysis of hepatic T lymphocytes in a dog with chronic hepatitis. [J Vet Med Sci. 68:1219-1221](#)

**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/DC047>  
20487

**Regulatory**

For research purposes only

**North & South America** Tel: +1 800 265 7376

Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto: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](mailto: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](mailto:antibody_sales_de@bio-rad.com)

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](http://bio-rad-antibodies.com/datasheets)

'M375221:210104'

