

Datasheet: DC046

**BATCH NUMBER 157437**

<b>Description:</b>	ANTI DOG CD3:FITC/CD4:RPE
<b>Specificity:</b>	CD3/CD4
<b>Format:</b>	FITC/RPE
<b>Product Type:</b>	Dual Color Reagent
<b>Clone:</b>	CA17.2A12 / YKIX302.9
<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.

<b>Antibody Isotypes</b>	FITC reagent: IgG1 (MOUSE) RPE reagent: IgG2a (RAT)		
<b>Target Species</b>	Dog		
<b>Product Form</b>	Dual Colour combination consisting of FITC conjugated and RPE conjugated monoclonal antibodies mixed in optimal ratio - lyophilised.		
<b>Reconstitution</b>	Reconstitute with 1.0 ml distilled water		
<b>Max Ex/Em</b>	<b>Fluorophore</b>	<b>Excitation Max (nm)</b>	<b>Emission Max (nm)</b>
	FITC	490	525
	RPE 488nm laser	496	578
	RPE 561nm laser	546	578
<b>Buffer Solution</b>	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](#)

[P33705](#)      [Related reagents](#)

**Entrez Gene:**

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

[403931](#) CD4 [Related reagents](#)

---

**RRID** AB\_324350

---

**Specificity** DC046 is a dual colour reagent recognising canine CD3 and CD4 cell surface antigens. Clone CA17.2A12 recognises canine CD3, a T cell differentiation antigen expressed on mature T lymphocytes.

Clone YKIX 302.9 recognises canine CD4, which is expressed by lymphocyte subsets and canine neutrophils.

---

**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/DC046> 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)

'M378554:210222'

