

Datasheet: DC046

**BATCH NUMBER 1802**

|                      |                           |
|----------------------|---------------------------|
| <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)<br>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)

'M375220:210104'

