

Datasheet: DC046

Description:	ANTI DOG CD3:FITC/CD4:RPE
Specificity:	CD3/CD4
Format:	FITC/RPE
Product Type:	Dual Color Reagent
Clone:	CA17.2A12 / YKIX302.9
Isotype:	Cocktail
Quantity:	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.

	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: IgG2a (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

Preservative Stabilisers 0.09% Sodium Azide

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 10⁶ 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:
20487: <https://www.bio-rad-antibodies.com/uploads/MSDS/20487.pdf>

Regulatory

For research purposes only

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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://www.bio-rad-antibodies.com/datasheets)

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