Datasheet: DC047

BATCH NUMBER 169227

Description:	ANTI DOG CD3:FITC/CD8:RPE
Specificity:	CD3/CD8
Format:	FITC/RPE
Product Type:	Dual Color Reagent
Clone:	CA17.2A12 / YCATE55.9
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: IgG1 (RAT)

Target Species

Dog

Product Form

Dual Colour combination consisting of FITC conjugated and RPE conjugated monoclonal antibodies mixed in optimal ratio - lyophilized

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 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 10^6 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 2. Karayannopoulou, M. *et al.* (2022) Effect of major versus minor mastectomy on host immunity in canine mammary cancer Vet Immunol Immunopathol. 24 Feb: 110403.
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

Worldwide Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: 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

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M419397:230616'

Printed on 29 Aug 2024