

Datasheet: DC035

BATCH NUMBER 1801

Description:	RAT ANTI MOUSE CD19:FITC/CD3:RPE
Specificity:	CD19/CD3
Format:	FITC/RPE
Product Type:	Dual Color Reagent
Clone:	6D5/KT3
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 system using appropriate negative/positive controls.

Antibody Isotypes	FITC reagent: IgG2a (RAT) RPE reagent: IgG2a (RAT)		
Target Species	Mouse		
Product Form	Dual Colour combination consisting of FITC conjugated and RPE conjugated monoclonal antibodies mixed in optimal ratio - lyophilised.		
Reconstitution	Reconstitute with 1 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	0.09% Sodium Azide
Stabilisers	1% Bovine Serum Albumin
	5% Sucrose

External Database Links

UniProt:

P11942	Related reagents
P29020	Related reagents
P24161	Related reagents
P25918	Related reagents
P22646	Related reagents
P04235	Related reagents

Entrez Gene:

12502	Cd3g	Related reagents
12503	Cd247	Related reagents
12478	Cd19	Related reagents
12500	Cd3d	Related reagents
12501	Cd3e	Related reagents
12503	Cd247	Related reagents

Synonyms Cd3z, T3d, Tcrz

RRID AB_324076

Specificity **Rat anti Mouse CD19:FITC/CD3:RPE dual color reagent** is a dual colour reagent recognising mouse CD19 and CD3.

Clone 6D5 recognises murine CD19, a ~95 kDa cell surface glycoprotein expressed by B lymphocytes.

Clone KT3 recognises murine CD3, a cell surface glycoprotein expressed by mature T cells.

Flow Cytometry Use 10ul of the suggested working dilution to label 10^6 cells in 100ul.

The Fc region of monoclonal antibodies may bind non-specifically to cells expressing low affinity Fc receptors. This may be reduced by using SeroBlock FcR ([BUF041A/B](#)).

References

1. Tomonari, K. (1988) A rat antibody against a structure functionally related to the mouse T-cell receptor/T3 complex. [Immunogenetics. 28 \(6\): 455-8.](#)
2. Stables, M.J. *et al.* (2010) Priming innate immune responses to infection by cyclooxygenase inhibition kills antibiotic-susceptible and -resistant bacteria. [Blood. 116 \(16\): 2950-9.](#)
3. Lis, M. *et al.* (2013) Modulatory effects of bestatin on T and B lymphocyte subsets and the concentration of cytokines released by Th1/Th2 lymphocytes in cyclophosphamide-treated mice [Centr Eur J Immunol 38: 42-53](#)

4. Suszko, A. & Obmińska-Mrukowicz B (2013) Influence of polysaccharide fractions isolated from *Caltha palustris* L. on the cellular immune response in collagen-induced arthritis (CIA) in mice. A comparison with methotrexate. [J Ethnopharmacol. 145 \(1\): 109-17.](#)
5. Drynda, A. *et al.* (2016) Immunoregulatory effects of 4-(4-chlorophenyl)-1-(5-amino-3-methylisoxazole-4-carbonyl)-thiosemicarbazide (06K) in non-immunized and SRBC-immunized mice. [J Pharm Pharmacol. Oct 26. \[Epub ahead of print\]](#)
6. Zimecki, M. *et al.* (2015) Immune function in cyclophosphamide-treated mice is restored by the T-cell-tropic isoxazole derivative R-13. [J Immunotoxicol. 12 \(4\): 322-9.](#)

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/DC03520487>

Regulatory

For research purposes only

North & South Tel: +1 800 265 7376

America 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](https://www.bio-rad-antibodies.com/datasheets)

'M375214:210104'

Printed on 23 May 2025