

Datasheet: DC035

BATCH NUMBER 164448

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|----------------------|----------------------------------|
| 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 - lyophilized | | |
| 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 | | |

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|---------------------|-------------------------|
| 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.](#)
7. Piekarska, J. *et al.* (2022) Evaluation of Immunotropic Activity of Iridoid-Anthocyanin Extract of Honeysuckle Berries (*Lonicera caerulea* L.) in the Course of Experimental Trichinellosis in Mice. [Molecules. 27 \(6\)Mar 17 \[Epub ahead of print\].](#)

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

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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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