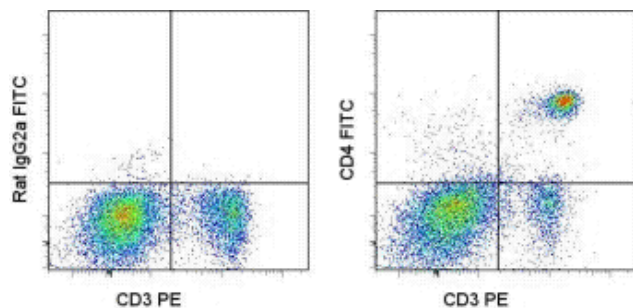


Anti-Mouse CD4 FITC

Catalog Number: 11-0042

Also Known As: L3T4, Ly-4

RUO: For Research Use Only. Not for use in diagnostic procedures.



Staining of C57BL/6 splenocytes with Anti-Mouse CD3e PE (cat. 12-0031) and 0.125 ug of Rat IgG2a K Isotype Control FITC (cat. 11-4321) (left) or 0.125 ug of Anti-Mouse CD4 FITC (right). Cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Mouse CD4 FITC

REF **Catalog Number:** 11-0042

Clone: RM4-5

Concentration: 0.5 mg/mL

Host/Isotype: Rat IgG2a, kappa

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

Temperature Limitation: Store at 2-8°C. Do not freeze. Light sensitive material.

LOT **Batch Code:** Refer to Vial

Use By: Refer to Vial

Caution, contains Azide

Description

The RM4-5 monoclonal antibody reacts with the mouse CD4 molecule, a 55 kDa cell surface receptor expressed by a majority of thymocytes, subpopulation of mature T cells and dendritic cells. CD4 binds to MHC class II on the surface of antigen presenting cells and plays an important role both in T cell development and in optimal functioning of mature T cells. In T cells, CD4 associates with protein tyrosine kinase p56lck through its cytoplasmic tail. Binding of RM4-5 is blocked by GK1.5.

Applications Reported

The RM4-5 antibody has been reported for use in flow cytometric analysis.

Applications Tested

The RM4-5 antibody has been tested by flow cytometric analysis of mouse thymocyte and splenocyte suspensions. This can be used at less than or equal to 0.25 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

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Related Products

11-4321 Rat IgG2a K Isotype Control FITC (eBR2a)

12-0031 Anti-Mouse CD3e PE (145-2C11)

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