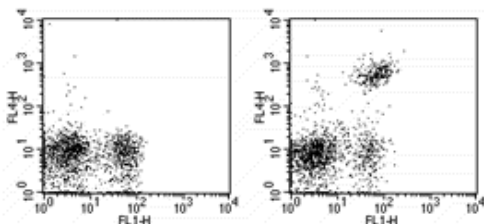


Anti-Mouse CD4 APC

Catalog Number: 17-0042

Also Known As: L3T4, Ly-4

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



Staining of mouse splenocytes with Anti-Mouse CD3 FITC (cat. 11-0031) and 0.06 μ g of Rat IgG2a K Isotype Control APC (cat. 17-4321) (left) or 0.06 μ g of Anti-Mouse CD4 APC (right). Total viable cells were used for analysis.

Product Information

Contents: Anti-Mouse CD4 APC


REF **Catalog Number:** 17-0042

Clone: RM4-5


Concentration: 0.2 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 0.125 μ g per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ L. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

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antibody GK1.5 (anti-L3T4a) blocks class II MHC antigen-specific proliferation, release of lymphokines, and binding by cloned murine helper T lymphocyte lines. J Immunol. 1983 Nov;131(5):2178-83.

Related Products

11-0031 Anti-Mouse CD3e FITC (145-2C11)

17-4321 Rat IgG2a K Isotype Control APC (eBR2a)

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