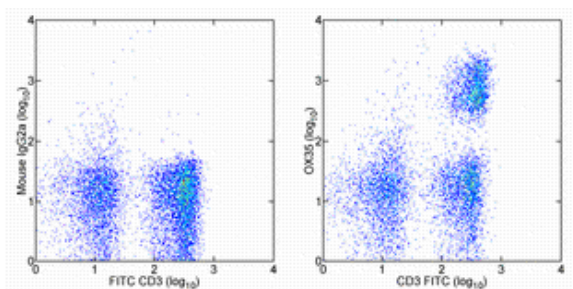


Anti-Rat CD4 Purified

Catalog Number: 14-0040

Also Known As: W3/25

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



Staining of rat splenocytes with Anti-Rat CD3 FITC (cat. 11-0030) and 0.25 ug of Mouse IgG2a K Isotype Control Purified (cat. 14-4724) (left) or 0.25 ug of Anti-Rat CD4 Purified (right) followed by F(ab')₂ Anti-Mouse IgG PE (cat. 12-4012). Cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Rat CD4 Purified

REF **Catalog Number:** 14-0040

Clone: OX35

Concentration: 0.5 mg/mL

Host/Isotype: Mouse IgG2a, kappa

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



Temperature Limitation: Store at 2-8°C.



Batch Code: Refer to Vial



Use By: Refer to Vial

Description

The OX35 monoclonal antibody reacts with rat CD4. CD4 is a co-receptor which participates in signaling through the T cell receptor by making contacts with MHC class II expressed on antigen-presenting cells (APC). CD4 is expressed in the thymus by CD4+CD8+ "double-positive" and CD4+ "single-positive" thymocytes, and by CD4+ "helper" T cells in the periphery. CD4 is a cell-surface membrane glycoprotein which contains four extracellular immunoglobulin-like domains.

Applications Reported

This OX35 antibody has been reported for use in flow cytometric analysis, and immunohistology staining of frozen tissue sections.

Applications Tested

This OX35 antibody has been tested by flow cytometric analysis of rat splenocytes. 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

May E, Dorris ML, Satumtira N, Iqbal I, Rehman MI, Lightfoot E, Taurog JD. CD8 alpha beta T cells are not essential to the pathogenesis of arthritis or colitis in HLA-B27 transgenic rats. J Immunol. 2003 Jan 15;170(2):1099-105. (**OX35**, FC, PubMed)

Related Products

11-0030 Anti-Rat CD3 FITC (eBioG4.18 (G4.18))

11-4011 Anti-Mouse IgG FITC

14-4724 Mouse IgG2a K Isotype Control Purified

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Tel: 888.999.1371 or 858.642.2058 • Fax: 858.642.2046 • www.eBioscience.com • info@eBioscience.com