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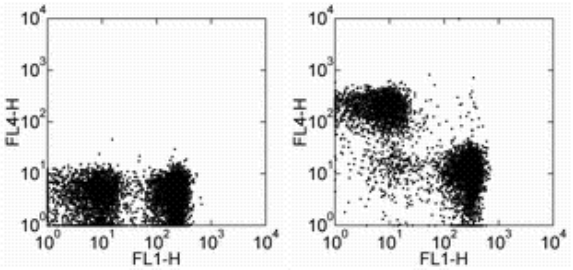
Anti-Mouse CD3 Alexa Fluor® 700

Catalog Number: 56-0032

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



Staining of C57BL/6 splenocytes with Anti-Human/Mouse CD45R (B220) FITC (cat. 11-0452) and staining buffer (autofluorescence) (left) or 0.125 ug of Anti-Mouse CD3 Alexa Fluor® 700 (right). Cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Mouse CD3 Alexa Fluor® 700

REF **Catalog Number:** 56-0032

Clone: 17A2

Concentration: 0.2 mg/mL

Host/Isotype: Rat IgG2b, 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 17A2 monoclonal antibody reacts with the mouse CD3 complex. CD3 subunits gamma, delta and epsilon are required for proper assembly, trafficking and surface expression of the TCR complex. CD3 is expressed by thymocytes in a developmentally regulated manner and by all mature T cells. Binding of 17A2 to CD3 initiates the intracellular biochemical pathway resulting in cellular activation and proliferation.

Applications Reported

This 17A2 antibody has been reported for use in flow cytometric analysis.

The Alexa Fluor® 700 emits at 723 nm and can be excited with the He-Ne 633 laser. Most instruments will require a 685 LP mirror and 710/20 filter. Please make sure that your instrument is capable of detecting this fluorochome.

Applications Tested

This 17A2 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 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

Zhang Y, McCormick LL, Desai SR, Wu C, Gilliam AC. Murine sclerodermatous graft-versus-host disease, a model for human scleroderma: cutaneous cytokines, chemokines, and immune cell activation. J Immunol. 2002 Mar 15;168(6):3088-98.(17A2, IH/F, PubMed)

Miescher, G. C., M. Schreyer, et al. Production and characterization of a rat monoclonal antibody against the murine CD3 molecular complex. Immunol Lett. 1989: 23(2): 113-8.

Related Products

11-0452 Anti-Human/Mouse CD45R (B220) FITC (RA3-6B2)
56-4031 Rat IgG2b K Isotype Control Alexa Fluor® 700

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