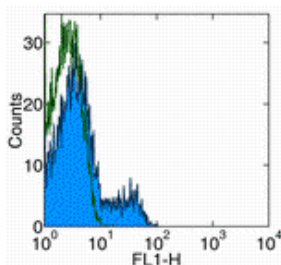


Anti-Mouse CD3 Functional Grade Purified

Catalog Number: 16-0032

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



Staining of mouse thymocytes with Anti-Mouse CD3 Purified followed by Anti-Rat IgG FITC. Appropriate isotype controls were used (open histogram). Total viable cells were used for analysis.

Product Information

Contents: Anti-Mouse CD3 Functional Grade Purified

REF **Catalog Number:** 16-0032

Clone: 17A2

Concentration: 1 mg/mL

Host/Isotype: Rat IgG2b, kappa

Handling Conditions: Use in sterile environment.

Endotoxin Level: Less than 0.001 ng/ug antibody, as determined by the LAL assay.

Formulation: aqueous buffer, no sodium azide



Temperature Limitation: Store at 2-8°C.



Batch Code: Refer to Vial



Use By: Refer to Vial

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 and functional activity (in vitro simulation).

Applications Tested

The 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 10⁵ to 10⁸ 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

16-4031 Rat IgG2b K Isotype Control Functional Grade Purified

Not for further distribution without written consent.

Copyright © 2000-2010 eBioscience, Inc.

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