

**anti-mouse CD8a FITC-conjugated****Cat-No.: M22126F**      **1 ml****Clone:** YTS 169.4**Specificity:**

The anti-CD8a (Ly 2) monoclonal antibody reacts with a protein of approximately 30 kDa found on mouse thymocytes and mouse cytotoxic/suppressor T cells. It does not bind to mouse helper/inducer T cells. It binds to T lymphocytes from all mouse strains regardless of phenotypic expression (ie. reacts with T lymphocytes from mouse strains expressing the Ly 2.1 or Ly 2.2 phenotype.). It can be used to investigate the role of T cells in models for infectious disease, autoimmunity, transplantation tolerance and fundamental aspects of immunology.

**Isotype subclass:** Rat IgG2b**Form:** Purified from ascitic fluid via Protein G Chromatography, FITC conjugated**Physical state:** Liquid**Buffer/Additives/Preservative:** PBS containing 1 % BSA and 0.09 % sodium azide (pH 7.4).**Expiration date:** The reagent is stable until the expiry date stated on the vial label.**Storage conditions:** Store at 4 °C. Do not freeze. Avoid prolonged exposure to light.**Application:**

Flow Cytometry  
Immunohistochemistry (frozen sections)

**References:**

1. Cobbald S.P et al. (1984) Nature. Therapy with monoclonal antibodies by elimination of T cell subsets in vivo 312, 5994, 548-551. 2. Cobbald S.P. et al. 8th International Conference on Lymphatic Tissues and Germinal Centres. Plenum Press (Ed. Klaus G.) in press (1984) Immunosuppression with monoclonal antibodies - rules for effective serotherapy. 3. Aqel N.M. et al. (1984) J. of Immunol. Methods. 69: 207-214. Immunohistological Screening in the selection of monoclonal antibodies: the use of isotype specific antiglobulins. 4. Ledbetter J.A. and Hertenzenberg L.A. (1979) Nature. 277: 131-133. Rat x Rat hybrid myelomas and a monoclonal anti-Fd portion of mouse Ig. 5. Mueller, R. et al. (1997) J. of Immunol. 159: 1599-1603. IL-4 Expression by Grafts from Transgenic Mice Fails to Prevent Allograft Rejection. 6. Stevenson, P.G. et al. (1997) J. of Immunol. 159: 1876-1884. Virus Dissemination Through the Brain Parenchyma Without Immunologic Control.

**Warning:**

Sodium azide is harmful if swallowed (R22). Keep out of reach of children (S2). Keep away from food, drink and animal feeding stuff (S13). Wear suitable protective clothing (S36). If swallowed, seek medical advice immediately and show this container or label (S46). Contact with acids liberates very toxic gas (R32). Azide compounds should be flushed with large volumes of water during disposal to avoid deposits in lead or copper plumbing where explosive conditions can develop.

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