

**anti-rat Pan T-cells FITC-conjugated****Cat-No.: R32148F****1 ml****Clone:** MRC OX-52

**Specificity:** This anti-rat pan T lymphocyte monoclonal antibody immunoprecipitates a two chain structure (95, 120kDa) largely restricted to T lymphocytes and thymocytes. Applications therefore include the identification of T lymphocyte lineage cells in suspension and tissue. This clone has previously been used to stain T cell areas of the spleen, lymph nodes and Peyer's patch. In the Thymus, it labels all thymocytes, however medullary cells are more strongly positive than cortical cells. This antibody stains approximately 1.0% of bone marrow cells, and 56% thoracic duct lymphocytes. Weak staining occurs with 50% dendritic cells from thoracic duct of mesenteric lymphadenectomized rats. The antigen recognized by this antibody is not expressed on granulocytes or macrophages. The function of the antigen recognized by this antibody has not, as yet, been associated with any particular function of T cells. This clone does not inhibit the allogeneic mixed leukocyte response, nor does it inhibit T cytotoxic effector cell function.

**Isotype subclass:** Mouse IgG 2a**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  
Immunoprecipitation**References:**

1. Robinson, A. P., Puklavec, M. and Mason, D. W. (1986), MRC OX-52: a rat T cell antigen. *Immunology*. 57, 527-531

**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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