

**anti-rat  $\alpha/\beta$  TCR FITC-conjugated****Cat-No.: R32149F****1 ml****Clone:** R73**Specificity:**

This anti-rat  $\alpha\beta$  T cell receptor monoclonal antibody detects a T cell-specific heterodimeric 40 and 46kDa cell surface protein that is expressed on the vast majority, but not all, peripheral rat T cells. It induces blastoid transformation and IL-2R expression in T cells when cross linked on an artificial surface. It also induces cell proliferation when exogenous IL-2 is added.

**Isotype subclass:** Mouse IgG1**Form:**

Purified from Bioreactor supernatant via Protein G Chromotography. 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:** S

Store at 4 °C. Do not freeze. Avoid prolonged exposure to light.

**Application:**

Flow Cytometry  
Immunohistochemical staining on frozen sections

**References:**

1. Hunig, T., Wallny, H.J., Hartley, J.K., Lawetzky, A. and Tiefenthaler, G. (1989), A monoclonal antibody to a constant determinant of the rat T cell antigen receptor that induce s T cell activation, J. Exp. Med. **169**, 73-86

**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.

This material is offered for **research only**. Not for use in human. For in vitro use only.

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