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30-1460: Anti-TCR alpha/beta Monoclonal Antibody (Clone:R73)

Clonality: Monoclonal

Clone Name: R73 Application: FACS

Reactivity: Non-Human Primates

Format: Purified Isotype: Mouse IgG1

Immunogen Information: Rat T blasts and erythrocytes

Description

The antigen-specific T cell receptor (TCR) is composed of either alpha and beta subunit, or gamma and delta subunit. Majority of T cells present in the blood, lymph and secondary lymphoid organs express TCR alpha/beta heterodimers, whereas the T cells expressing TCR gamma/delta heterodimers are localized mainly in epithelial tissues and at the sites of infection. The subunits of TCR heterodimers are covalently bonded and in the endoplasmic reticulum they associate with CD3 subunits to form functional TCR-CD3 complex. Lack of expression of any of the chains is sufficient to stop cell surface expression.

Product Info

Amount: 0.1 mg

Purification: Purified by protein-A affinity chromatography

Storage condition : Store at 2-8°C. Do not freeze.

Application Note

Flow cytometry: Recommended dilution: 1-5 µg/ml.

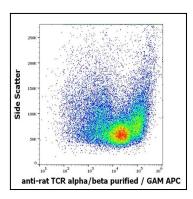


Figure 1: Flow cytometry surface staining pattern of rat thymocyte suspension stained using anti-rat TCR alpha/beta (R73) purified antibody GAM APC.



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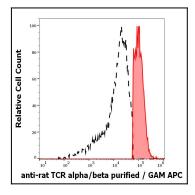


Figure 2: Separation of rat TCR alpha/beta positive thymocytes (red-filled) from TCR alpha/beta negative thymocytes (black-dashed) in flow cytometry analysis (surface staining) of rat thymocyte suspension stained using anti-rat TCR alpha/beta (R73) purified antibody GAM APC.