

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

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	R73
<b>Application :</b>	FACS
<b>Reactivity :</b>	Non-Human Primates
<b>Format :</b>	Purified
<b>Isotype :</b>	Mouse IgG1
<b>Immunogen Information :</b>	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

<b>Amount :</b>	0.1 mg
<b>Purification :</b>	Purified by protein-A affinity chromatography
<b>Storage condition :</b>	Store at 2-8°C. Do not freeze.

### Application Note

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

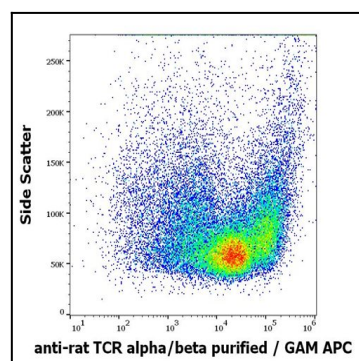


Figure 1: Flow cytometry surface staining pattern of rat thymocyte suspension stained using anti-rat TCR alpha/beta (R73) purified antibody GAM APC.

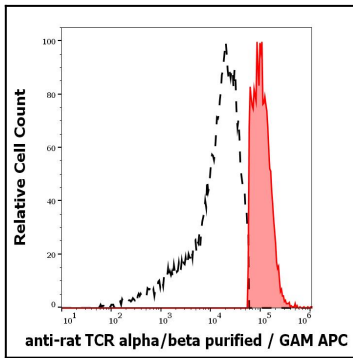


Figure 2: Separation of rat TCR alpha/beta positive thymocytes (red-filled) from TCR alpha/beta negative thymocytes (black-dashed) in flow cytometry analysis (surface staining) of rat thymocyte suspension stained using anti-rat TCR alpha/beta (R73) purified antibody GAM APC.