

ARG65530 anti-TCR alpha + TCR beta antibody [R73] (FITC)

Package: 50 µg
Store at: 4°C

Summary

| | |
|---------------------|---|
| Product Description | FITC-conjugated Mouse Monoclonal antibody [R73] recognizes TCR alpha + TCR beta |
| Tested Reactivity | Rat, NHuPrm |
| Tested Application | FACS |
| Specificity | The clone R73 recognizes TCR alpha/beta, the dominant subtype of T cell receptor expressed in peripheral blood. |
| Host | Mouse |
| Clonality | Monoclonal |
| Clone | R73 |
| Isotype | IgG1 |
| Target Name | TCR alpha + TCR beta |
| Immunogen | Rat T blasts and erythrocytes |
| Conjugation | FITC |

Application Instructions

| Application table | Application | Dilution |
|-------------------|--|-------------|
| | FACS | 1 - 3 µg/ml |
| Application Note | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. | |

Properties

| | |
|---------------------|--|
| Form | Liquid |
| Purification Note | The purified antibody is conjugated with Fluorescein isothiocyanate (FITC) under optimum conditions. The reagent is free of unconjugated FITC. |
| Buffer | PBS (pH 7.4) and 15 mM Sodium azide |
| Preservative | 15 mM Sodium azide |
| Concentration | 0.5 mg/ml |
| Storage instruction | Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |
| Note | For laboratory research only, not for drug, diagnostic or other use. |

Bioinformation

Database links

[GeneID: 24820 Rat](#)

Background

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._x000D_

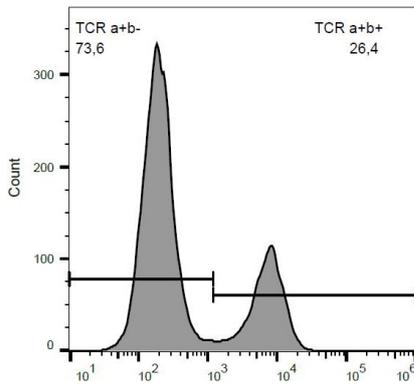
Research Area

Developmental Biology antibody; Immune System antibody

Calculated Mw

TCR alpha: 30 kDa
TCR beta: 35 kDa

Images



ARG65530 anti-TCR alpha + TCR beta antibody [R73] (FITC) FACS image

Flow Cytometry: Rat splenocytes stained with ARG65530 anti-TCR alpha + TCR beta antibody [R73] (FITC).
