PRODUCT DATA SHEET

1F-653-C025

Monoclonal Antibody to TCR alpha/beta (rat) Fluorescein (FITC) conjugated (0.025 mg)

Clone:	R73
Isotype:	Mouse IgG1
Specificity:	The mouse monoclonal R73 recognizes TCR alpha/beta, the dominant subtype of T cell receptor expressed in peripheral blood.
Regulatory Status:	RUO
Immunogen:	Rat T blasts and erythrocytes
Species Reactivity:	Non-Human Primates, Rat
Preparation:	The purified antibody is conjugated with Fluorescein isothiocyanate (FITC) under optimum conditions. The reagent is free of unconjugated FITC.
Concentration:	0.5 mg/ml
Storage Buffer:	Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4
Storage / Stability:	Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light. Do not use after expiration date stamped on vial label.
Usage:	The reagent is designed for Flow Cytometry analysis.
Expiration:	See vial label
Lot Number:	See vial label
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.

For laboratory research only, not for drug, diagnostic or other use.

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*And many other.

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