

TECHNICAL DATA SHEET

CyFlow™ TCR gamma/delta Purified Anti-Rt; Clone V65

REF BB592648

For Research Use Only.
Not for use in diagnostic or therapeutic procedures.

Specifications

Antigen	TCR γ/δ
Alternative Names	—
Clone	V65
Clonality	monoclonal
Format	Purified
Host / Isotype	Mouse / IgG1
Species Reactivity	Rat
Negative Species Reactivity	—
Quantity [Concentration]	0.1 mg [1 mg/ml]
Immunogen	TCR α/β -negative CD3-positive rat T cell hybridoma III.89.1.4 line

Specificity

The mouse monoclonal antibody V65 recognizes rat TCR γ/δ antigen, the subtype of T cell receptor expressed mainly in epithelial tissues and at the sites of infection.

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Application

Based on published sources, this antibody is suitable for the following applications:

- Flow cytometry
- Immunoprecipitation
- Immunohistochemistry (frozen sections)
- Functional assays

Storage Buffer

The reagent is provided in phosphate buffered saline (PBS) solution, pH $\approx$ 7.4, containing 0.1% (w/v) sodium azide.

Storage and Stability

Storage	Avoid prolonged exposure to light. Store in the dark at 2-8°C. Do not freeze.
Stability	Do not use after expiration date stamped on vial label.

Background Information

The antigen-specific T cell receptor (TCR) is composed of either α and β subunit, or γ and δ subunit. Majority of T cells present in the blood, lymph and secondary lymphoid organs express TCR α/β heterodimers, whereas the T cells expressing TCR γ/δ 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.

References

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The Safety Data Sheet for this product is available at www.sysmex-partec.com/services.

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