TECHNICAL DATA SHEET

CyFlow™ TCR alpha/beta APC
Anti-Hu; Clone IP26

REF **BU966452**

For Research Use Only.

Not for use in diagnostic or therapeutic procedures.

Specifications

Antigen	TCR α/β
Alternative Names	—
Clone	IP26
Clonality	monoclonal
Format	APC
Host / Isotype	Mouse / IgG1
Species Reactivity	Human
Negative Species Reactivity	—
Quantity	100 tests
Immunogen	< no data >

Specificity

The mouse monoclonal antibody IP26 recognizes a monomorphic determinant of TCR α/β antigen, the dominant subtype of T cell receptor expressed in human peripheral blood.

Contact Information:

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Application

The reagent is designed for Flow Cytometry analysis of human blood cells. Recommended usage is 10 µl reagent / 100 µl of whole blood or 10^6 cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.

Other usages may be determined from the scientific literature.

Storage Buffer

The reagent is provided in stabilizing phosphate buffered saline (PBS) solution, pH ≈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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