TECHNICAL DATA SHEET

CyFlow™ CD264 FITC
Anti-Hu; Clone TRAIL-R4-01

REF **CM047170**

For Research Use Only.

Not for use in diagnostic or therapeutic procedures.

Specifications

Antigen	CD264
Alternative Names	TRAILR4, DCR2, TRUNDD, TNFRSF10d
Clone	TRAIL-R4-01
Clonality	monoclonal
Format	FITC
Host / Isotype	Mouse / IgG1
Species Reactivity	Human
Negative Species Reactivity	—
Quantity [Concentration]	0.1 mg [0.1 mg/ml]
Immunogen	TRAIL-R4 (aa 1-210) - hIgGhc fusion protein

Specificity

The mouse monoclonal antibody TRAIL-R4-01 recognizes CD264 (TRAIL-R4) antigen, a 42 kDa transmembrane protein expressed on various blood cells.

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Application

The reagent is designed for Flow Cytometry analysis. Suggested working usage is 3 µg/ml. Indicated dilution is recommended starting point for use of this product, but working concentrations should be validated by the investigator.

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

CD264 (TRAIL-R4, TR4, DcR2, TRUNDD), expressed mainly on CD8+ and NK cells, belongs to receptors of TRAIL, a TNF-like membrane toxic protein that induces apoptosis in many tumor cells, but not in normal cells. TRAIL-R4, however, contains partially truncated death domain, thus it is unable to induce apoptosis and serves as a negative regulator of apoptotic signaling by impairment death-inducing signaling complex (DISC) processing. TRAIL-R4 interacts with death receptor 5 (DR5) in the native DISC in a TRAIL-dependent manner and prevents its corecruitment with death receptor 4 (DR4).

References

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- Falschlehner C, Emmerich CH, Gerlach B, Walczak H: TRAIL signalling. Int J Biochem Cell Biol. 2007; 39(7-8):1462-75. < PMID: 17403612 >

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

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