

TECHNICAL DATA SHEET

CyFlow™ CD261 PE Anti-Hu; Clone DR-4-02

REF **AQ245418**

For Research Use Only.

Not for use in diagnostic or therapeutic procedures.

Specifications

Antigen	CD261
Alternative Names	TRAILR1, DR4, APO2, TNFRSF10a
Clone	DR-4-02
Clonality	monoclonal
Format	PE
Host / Isotype	Mouse / IgG1
Species Reactivity	Human
Negative Species Reactivity	—
Quantity [Concentration]	0.1 mg [0.1 mg/ml]
Immunogen	Fusion protein containing the extracellular part of TRAIL-R1 and the constant part of the heavy chain of the human IgG1

Contact Information:

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Specificity

The mouse monoclonal antibody DR-4-02 recognizes CD261 (TRAIL-R1) antigen, a human death receptor 4 (468 amino acids) expressed in most human tissues (spleen, peripheral blood leukocytes, thymus) and in a variety of tumour-derived cell lines.

Application

The reagent is designed for Flow Cytometry analysis. Suggested working usage is 5 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

CD261 (TRAIL-R1; TRAIL receptor 1 or DR4) is a type I transmembrane protein. The ligand for this DR4 death receptor has been identified and termed TRAIL, which is a member of the TNF family. DR4, as many other receptors (Fas, TNFR1, etc.), mediates apoptosis and NF κB activation in many cells and tissues.

References

- Corallini F, Milani D, Nicolini V, Secchiero P: TRAIL, caspases and maturation of normal and leukemic myeloid precursors. . Leuk Lymphoma. 2006 Aug; 47(8):1459-6. < PMID: 16966254 >
- Simova S, Klima M, Cermak L, Sourkova V, Andera L: Arf and Rho GAP adapter protein ARAP1 participates in the mobilization of TRAIL-R1/DR4 to the plasma membrane. Apoptosis. 2008 Mar; 13(3):423-36. < PMID: 18165900 >

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

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