TECHNICAL DATA SHEET

CyFlow™ CD261 Low Endotoxin
Anti-Hu; Clone DR-4-02

REF **AV940775**

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	Low Endotoxin
Host / Isotype	Mouse / IgG1
Species Reactivity	Human
Negative Species Reactivity	—
Quantity [Concentration]	0.1 mg [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:

Sysmex Partec GmbH • Am Flugplatz 13 • 02828 Görlitz • Germany
Tel +49 3581 8746 0 • Fax +49 3581 8746 70 • E-mail: info@sysmex-partec.com

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

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

- Flow cytometry
- Immunoprecipitation
- Immunocytochemistry
- Functional assays

Storage Buffer

The reagent is provided in azide-free phosphate buffered saline (PBS) solution, pH ≈7.4; 0.2 µm filter sterilized. Endotoxin level is less than 0.01 EU/µg of the protein, as determined by the LAL test.

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, Nicolin 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 >

Contact Information:

Sysmex Partec GmbH • Am Flugplatz 13 • 02828 Görlitz • Germany
Tel +49 3581 8746 0 • Fax +49 3581 8746 70 • E-mail: info@sysmex-partec.com

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

Contact Information:

Sysmex Partec GmbH • Am Flugplatz 13 • 02828 Görlitz • Germany
Tel +49 3581 8746 0 • Fax +49 3581 8746 70 • E-mail: info@sysmex-partec.com