

Product Datasheet

CD261 Antibody (orb154420)

Catalog Number	orb154420
Category	Antibodies
Description	Mouse monoclonal antibody to CD261 which is a receptor for the cytotoxic ligand TNFSF10/TRAIL. The adapter molecule FADD recruits caspase-8 to activated CD261 which is expressed in most human tissues including spleen, peripheral blood leucocytes, thymus and in a variety of tumour-derived cell lines. It plays a role in inducing cell death. The binding of TRAIL to DR4 triggers the activation of pro-caspases 8 and 10, leading to apoptosis.
Target	CD261
Clonality	Monoclonal
Isotype	Mouse IgG1
Conjugation	Unconjugated
Reactivity	Human
Concentration	1 mg/ml
Buffer/Preservatives	Phosphate buffered saline (PBS), pH 7.4
Purification	Purified by protein-A affinity chromatography.
Immunogen	Fusion protein containing the extracellular part of TRAIL-R1 and the constant part of the heavy chain of the human IgG1.
UniProt ID	O00220
Tested applications	FA, FC, ICC, IP

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Application notes

Functional application: Soluble antibody DR-4-02 blocks apoptosis triggered by a ligand (TRAIL). Plastic-immobilized (cross-linked) DR-4-02 antibody induces apoptosis in sensitive cells. Recommended dilution of antibody: 2-3 µg/ml in cultivation medium, final concentration of TRAIL: 20-200 ng/ml; it is recommended to add the antibody 15 min before addition of TRAIL. Flow cytometry: Recommended dilution: 2-4 µg/ml.

Specificity

The mouse monoclonal antibody DR-4-02 recognizes an extracellular epitope of TRAIL-R1 (DR4), a human death receptor 4 expressed in most human tissues (spleen, peripheral blood leucocytes, thymus) and in a variety of tumour-derived cell lines.

Antibody Type

Primary Antibody

Clone Number

DR-4-02

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Note

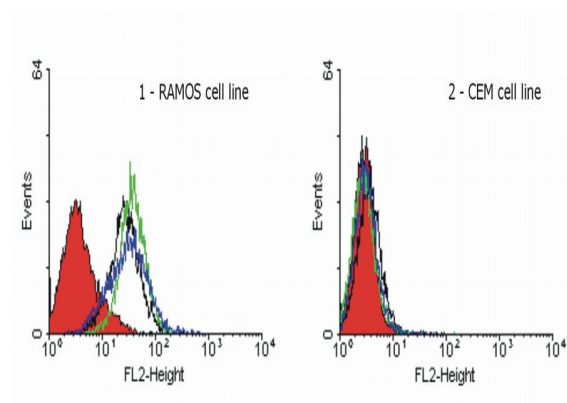
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Expiration Date

12 months from date of receipt.



Flow cytometry analysis of TRAIL-R1 expression on the surface of hematopoietic cell lines. Cells were stained with purified anti-TRAIL-R1 purified antibodies (low endotoxin) followed by Goat anti-mouse IgG PE.

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