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anti-TNFRSF10A antibody





Publication



Go to Product page

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|--------|------|-------|------------|
| | IV/E | ۱//۱۲ | $I \cap V$ |

| Quantity: | 0.1 mg | |
|--------------|---|--|
| Target: | TNFRSF10A | |
| Reactivity: | Human | |
| Host: | Mouse | |
| Clonality: | Monoclonal | |
| Conjugate: | This TNFRSF10A antibody is un-conjugated | |
| Application: | Flow Cytometry (FACS), Immunoprecipitation (IP), Immunocytochemistry (ICC), Functional Studies (Func) | |

Product Details

| Froduct Details | | |
|-----------------------------|--|--|
| Immunogen: | Fusion protein containing the extracellular part of TRAIL-R1 and the constant part of the heavy chain of the human IgG1. | |
| Clone: | DR-4-02 | |
| Isotype: | lgG1 | |
| 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. | |
| Cross-Reactivity (Details): | Human | |
| Purification: | Purified by protein-A affinity chromatography. | |
| Purity: | > 95 % (by SDS-PAGE) | |
| | | |

Product Details Endotoxin Level: Endotoxin level is less than 0.01 EU/µg of the protein, as determined by the LAL test. **Target Details** TNFRSF10A Target: Alternative Name CD261 / TRAIL-R1 (TNFRSF10A Products) Background: TNF receptor superfamily member 10a, TRAIL-R1 (CD261, DR4) is a type I transmembrane protein, also called TRAIL receptor 1. 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 kappaB activation in many cells and tissues. Apoptosis, a programmed cell death, is a operating process in normal cellular differentiation and development of multicellular organisms. Apoptosis is induced by coupled of certain cytokines (TNF family - TNF, Fas ligand) and their death domain containing receptors (TNFR1, Fas receptor).,DR4, APO2, TNFRSF10A, TRAILR1, TRAIL-R1 Gene ID: 8797 UniProt: 000220 Pathways: Apoptosis, Positive Regulation of Endopeptidase Activity **Application Details 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. Restrictions: For Research Use only Handling Concentration: 1 mg/mL Buffer: Phosphate buffered saline (PBS), pH 7.4 Preservative: Azide free 4°C Storage:

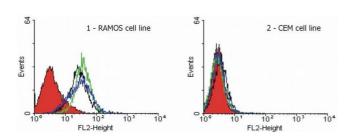
Store at 2-8°C. Do not freeze.

Storage Comment:

Product cited in:

Símová, Klíma, Cermak, Sourková, Andera: "Arf and Rho GAP adapter protein ARAP1 participates in the mobilization of TRAIL-R1/DR4 to the plasma membrane." in: **Apoptosis : an international journal on programmed cell death**, Vol. 13, Issue 3, pp. 423-36, (2008) (PubMed).

Images



Flow Cytometry

Image 1. 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.