

Datasheet for ABIN1981882

anti-TNFRSF10A antibody (APC)

1 Image

1 Publication



[Go to Product page](#)

Overview

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| Quantity: | 0.1 mg |
| Target: | TNFRSF10A |
| Reactivity: | Human |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Conjugate: | This TNFRSF10A antibody is conjugated to APC |
| Application: | Flow Cytometry (FACS) |

Product Details

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| 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: | IgG1 |
| 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 antibody is conjugated with activated allophycocyanin (APC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography. |

Target Details

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| Target: | TNFRSF10A |
| Alternative Name: | CD261 / TRAIL-R1 (TNFRSF10A Products) |
| Background: | <p>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.</p> <p>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</p> |
| Gene ID: | 8797 |
| UniProt: | O00220 |
| Pathways: | Apoptosis , Positive Regulation of Endopeptidase Activity |

Application Details

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| Application Notes: | Flow cytometry: Recommended dilution: 2-4 µg/mL. |
| Comment: | The purified antibody is conjugated with cross-linked Allophycocyanin (APC) under optimum conditions. The conjugate is purified by size-exclusion chromatography. |
| Restrictions: | For Research Use only |

Handling

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| Concentration: | 0.1 mg/mL |
| Buffer: | Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Handling Advice: | <p>Do not freeze. Avoid prolonged exposure to light.</p> <p>Do not use after expiration date stamped on vial label.</p> <p>Short-term exposure to room temperature should not affect the quality of the reagent. However, if reagent is stored under any conditions other than those specified, the conditions must be verified by the user.</p> |

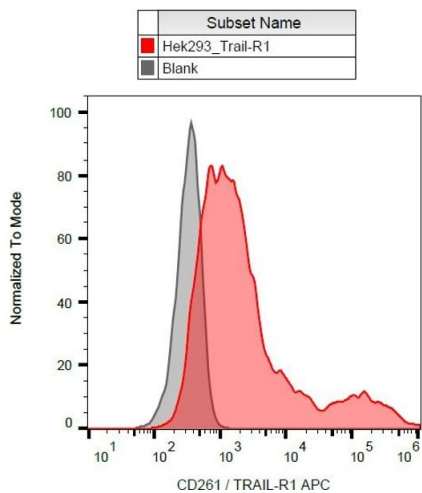
Handling

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| Storage: | 4 °C |
| Storage Comment: | Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze. |

Publications

| | |
|-------------------|---|
| 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). |
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Images



Flow Cytometry

Image 1. Flow cytometry analysis (surface staining) of partially CD261-transfected HEK-293 cells with anti-CD261/TRAIL-R1 (DR-4-02) APC.