

Product datasheet for **AM03039FC-N**

DcR2 (TNFRSF10D) Mouse Monoclonal Antibody [Clone ID: TRAIL-R4-01]

Product data:

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| Product Type: | Primary Antibodies |
| Clone Name: | TRAIL-R4-01 |
| Applications: | FC |
| Recommended Dilution: | Flow Cytometry: 3 µg/ml. |
| Reactivity: | Human |
| Host: | Mouse |
| Isotype: | IgG1 |
| Clonality: | Monoclonal |
| Immunogen: | TRAIL-R4 (aa 1-210) - hlgGhc fusion protein |
| Specificity: | The antibody TRAIL-R4-01 reacts with TRAIL-R4, a 42 kDa transmembrane protein expressed on various blood cells. |
| Formulation: | PBS containing 15 mM Sodium Azide as preservative and 0.2% (w/v) high-grade (Protease free) BSA as a stabilizing agent. Label: FITC State: Liquid purified IgG fraction. Label: Fluorescein Isothiocyanate Isomer 1 |
| Concentration: | lot specific |
| Conjugation: | FITC |
| Storage: | Store the antibody undiluted at 2-8°C. DO NOT FREEZE! This product is photosensitive and should be protected from light. Avoid prolonged exposure to light. |
| Stability: | Shelf life: one year from despatch. |
| Gene Name: | tumor necrosis factor receptor superfamily member 10d |
| Database Link: | Entrez Gene 8793 Human Q9UBN6 |



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| Background: | TRAIL-R4 (CD264, TR4, DcR2, TRUNDD), expressed mainly on CD8+ and NK cells, belongs to receptors of TRAIL, a TNF-like membrane toxic protein that induces apoptosis in many tumour cells, but not in normal cells. TRAIL-R4, however, contains partially truncated death domain, thus it is unable to induce apoptosis and serves as a negative regulator of apoptotic signaling by impairment death-inducing signaling complex (DISC) processing. TRAIL-R4 interacts with death receptor 5 (DR5) in the native DISC in a TRAIL-dependent manner and prevents its corecruitment with death receptor 4 (DR4). |
| Synonyms: | TNFRSF10D, DCR2, TRAIL-R4, TRUNDD, Decoy receptor 2, TRAIL receptor 4 |
| Protein Families: | Druggable Genome, Transmembrane |
| Protein Pathways: | Apoptosis, Cytokine-cytokine receptor interaction, Natural killer cell mediated cytotoxicity |