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# Product datasheet for AM03039RP-N

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

### Product data:

| | |
|---|---|
| **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) - hIgGhc 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 Sdium Azide as preservative and 0.2% (w/v) high-grade (Protease free) BSA as a stabilizing agent.<br>Label: PE<br>State: Liquid purified IgG fraction.<br>Label: R-Phycoerythrin under optimum conditions |
| **Concentration:** | lot specific |
| **Purification:** | Size-Exclusion Chromatography. |
| **Conjugation:** | PE |
| **Storage:** | Store the antibody undiluted at 2-8°C.<br>**DO NOT FREEZE!**<br>This product is photosensitive and should be protected from light.<br>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<br>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