

## Product datasheet for **AM03039AF-N**

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

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	TRAIL-R4-01
<b>Applications:</b>	FC
<b>Recommended Dilution:</b>	Suitable for use in Flow Cytometry (1-5 µg/ml).
<b>Reactivity:</b>	Human
<b>Host:</b>	Mouse
<b>Isotype:</b>	IgG1
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	TRAIL-R4 (aa 1-210) - hIgGhc fusion protein
<b>Specificity:</b>	This antibody reacts with TRAIL-R4, a 42 kDa transmembrane protein expressed on various blood cells.
<b>Formulation:</b>	PBS, pH 7.4 without preservatives State: Azide Free State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE)
<b>Concentration:</b>	lot specific
<b>Purification:</b>	Protein A affinity chromatography
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid freeze/thaw cycles.
<b>Stability:</b>	Shelf life: One year from despatch.
<b>Gene Name:</b>	tumor necrosis factor receptor superfamily member 10d
<b>Database Link:</b>	<a href="#">Entrez Gene 8793 Human</a> <a href="#">Q9UBN6</a>



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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