

Product datasheet for **AM31248RP-N**

DR4 (TNFRSF10A) Mouse Monoclonal Antibody [Clone ID: B-N36]

Product data:

Product Type:	Primary Antibodies
Clone Name:	B-N36
Applications:	FC
Recommended Dilution:	Flow Cytometry: Use 10 µl to label 10 ⁶ cells or 100 µl of whole blood.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant Human TRAIL R1/Fc chimera.
Specificity:	This antibody recognises CD261, a 43-46 kDa protein.
Formulation:	Phosphate-buffered saline (PBS) Label: PE State: Lyophilised purified Ig fraction Stabilizer: 1% BSA Preservative: 0.09% Sodium Azide Label: R-Phycoerythrin
Reconstitution Method:	Restore with 1.0 ml deionised water.
Purification:	Ion Exchange Chromatography
Conjugation:	PE
Storage:	Store the antibody undiluted at 2-8°C. DO NOT FREEZE!
Stability:	Shelf life: 6 months from despatch.
Gene Name:	tumor necrosis factor receptor superfamily member 10a
Database Link:	Entrez Gene 8797 Human O00220



[View online »](#)

Background:	Apoptosis, or programmed cell death, occurs during normal cellular differentiation and development of multicellular organisms. Apoptosis is induced by certain cytokines including TNF and Fas ligand in the TNF family through their death domain containing receptors, TNFR1 and Fas. A novel death domain containing receptor was recently identified and designated DR4 (for death receptor 4) ¹ . The ligand for this novel death receptor has been identified and termed TRAIL, which is a new member in the TNF family. DR4 is also called TRAIL receptor-1 (TRAIL-R1). DR4 is expressed in most of human tissues including spleen, peripheral blood leukocytes, small intestine and thymus. Like TNFR1, Fas and DR3, DR4 mediates apoptosis and NF-κB activation in many tissues and cells.
Synonyms:	APO2, DR4, Death receptor 4, TRAIL receptor 1, TRAIL-R1, TNFRSF10A
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Apoptosis, Cytokine-cytokine receptor interaction, Natural killer cell mediated cytotoxicity