

Product datasheet for **TA336474**

DR4 (TNFRSF10A) Mouse Monoclonal Antibody [Clone ID: 32A1380]

Product data:

Product Type:	Primary Antibodies
Clone Name:	32A1380
Applications:	CyTOF-ready, FC, ICC/IF, WB
Recommended Dilution:	Western Blot: 2-4 ug/ml, Simple Western: 20 ug/ml, Immunocytochemistry/ Immunofluorescence, Flow (Cell Surface), Flow (Intracellular), Flow Cytometry: 1:20-1:2000, CyTOF-ready
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1, kappa
Clonality:	Monoclonal
Immunogen:	This monoclonal antibody was raised against a peptide corresponding to amino acid 2 to 21 of human DR4.
Formulation:	PBS containing 0.05% BSA, 0.05% Sodium Azide. Store at 4C short term. Aliquot and store at - 20C long term. Avoid freeze-thaw cycles.
Concentration:	lot specific
Purification:	Protein G purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	tumor necrosis factor receptor superfamily member 10a
Database Link:	NP_003835 Entrez Gene 8797 Human O00220



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Background: Cells undergo programmed cell death (Apoptosis) in response to various stimuli. Apoptosis is essential for morphogenesis, tissue homeostasis, and host defense. 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). 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- κ B activation in many tissues and cells.

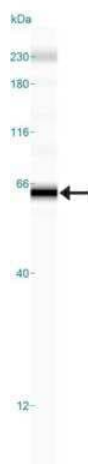
Synonyms: APO2; CD261; DR4; TRAILR-1; TRAILR1

Note: A 57 kDa band should be observed. This antibody is routinely tested by western blot analysis. For other applications, please refer to appropriate published references for more information.

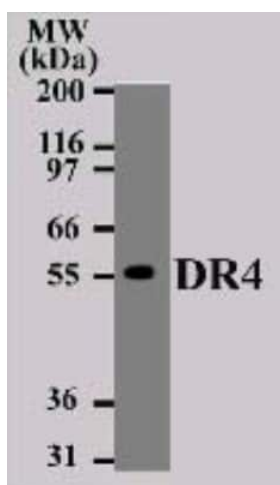
Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Apoptosis, Cytokine-cytokine receptor interaction, Natural killer cell mediated cytotoxicity

Product images:



Simple Western: TRAIL R1/TNFRSF10A Antibody (32A1380) TA336474 - Simple Western lane view shows a specific band for TRAIL R1 in 0.5 mg/ml of Daudi lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system. * Non-specific interaction with the 230 kDa Simple Western standard may be seen with this antibody



Western Blot: TRAIL R1/TNFRSF10A Antibody (32A1380) TA336474 - Analysis of DR4 in Daudi cell lysate using DR4 antibody at 2 ug/ml. Goat anti-mouse Ig HRP secondary antibody and PicoTect ECL substrate solution were used for this test.