

Product datasheet for **SM3131AC**

DR4 (TNFRSF10A) Mouse Monoclonal Antibody [Clone ID: DR-4-02]

Product data:

Product Type:	Primary Antibodies
Clone Name:	DR-4-02
Applications:	FC, IF
Recommended Dilution:	Flow cytometry.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Fusion protein containing the extracellular part of TRAIL-R1 and the constant part of the heavy chain of the human IgG1
Specificity:	This antibody recognizes TRAIL-R1 (DR4), a human death receptor 4 (468 amino acids) expressed in most human tissues (spleen, peripheral blood leucocytes, thymus) and in a variety of tumour-derived cell lines.
Formulation:	Phosphate buffered saline (PBS) Label: APC State: Liquid purified Ig fraction Stabilizer: 0.2% (w/v) high-grade protease free BSA Preservative: 15 mM Sodium Azide Label: Conjugated with cross-linked Allophycocyanin (APC) under optimum conditions. The conjugate is purified by size-exclusion chromatography.
Concentration:	lot specific
Purification:	The conjugate is purified by size-exclusion chromatography
Conjugation:	APC
Storage:	Store the antibody undiluted at 2-8°C. DO NOT FREEZE! This product is photosensitive and should be protected from light.
Stability:	Shelf life: one year from despatch.
Gene Name:	tumor necrosis factor receptor superfamily member 10a



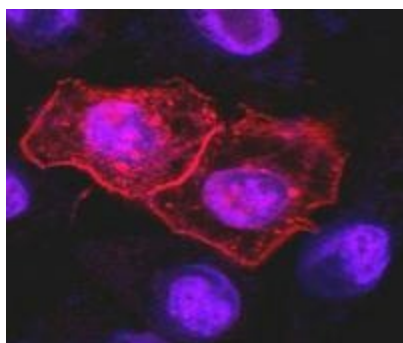
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Database Link: [Entrez Gene 8797 Human O00220](#)

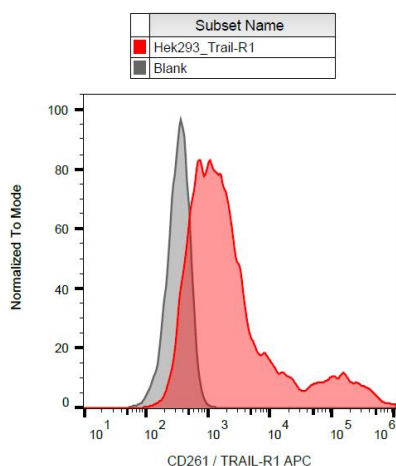
Background: TRAIL-R1 (CD261, DR4) is a type I transmembrane protein, also called TRAIL receptor 1. The ligand for this DR4 death receptor has been identified and termed TRAIL, which is a member of the TNF family. DR4, as many other receptors (Fas, TNFR1, etc.), mediates apoptosis and NF kappaB activation in many cells and tissues. Apoptosis, a programmed cell death, is a operating process in normal cellular differentiation and development of multicellular organisms. Apoptosis is induced by coupled of certain cytokines (TNF family - TNF, Fas ligand) and their death domain containing receptors (TNFR1, Fas receptor).

Synonyms: APO2, DR4, Death receptor 4, TRAIL receptor 1, TRAIL-R1, TNFRSF10A

Product images:



Immunofluorescence staining (confocal microscopy) of HeLa human cervix carcinoma cell line transfected with TRAIL-R1 expression plasmid using anti-human TRAIL-R1 (DR-4-02).



Surface staining of partially CD261-transfected HEK-293 cells with anti-CD261/TRAIL-R1 (DR-4-02) APC.