

Product datasheet for **SM3131R**

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

Product data:

Product Type:	Primary Antibodies
Clone Name:	DR-4-02
Applications:	FC
Recommended Dilution:	Flow Cytometry analysis: 5 µg/ml.
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:	The antibody DR-4-02 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:	PBS containing 15 mM sodium azide as preservative and 0.2% (w/v) high-grade BSA (Protease free) as stabilizer. Label: PE State: Liquid purified IgG fraction. Label: Conjugated with R-Phycoerythrin under optimum conditions
Concentration:	lot specific
Purification:	Size-Exclusion Chromatography.
Conjugation:	PE
Storage:	Store the antibody in the dark at 2-8°C. DO NOT FREEZE! Avoid prolonged exposure to light.
Stability:	Shelf life: one year from despatch.
Gene Name:	tumor necrosis factor receptor superfamily member 10a
Database Link:	Entrez Gene 8797 Human O00220



[View online »](#)

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:

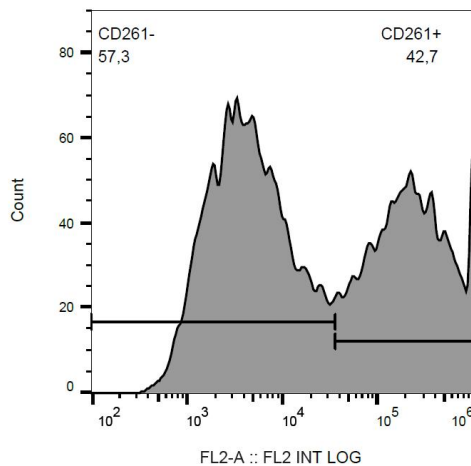
APO2, DR4, Death receptor 4, TRAIL receptor 1, TRAIL-R1, TNFRSF10A

Protein Families:

Druggable Genome, Transmembrane

Protein Pathways:

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

Product images:

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