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30-2610: Anti-Human CD262 APC (Clone : DR5-01-1)

Clonality :	Monoclonal
Clone Name :	DR5-01-1
Application :	FACS
Reactivity :	Human
Conjugate :	APC
Gene :	TNFRSF10B
Gene ID :	8795
Alternative Name :	TNFRSF10B, KILLER, TRICK2, TRAIL-R2,TNF receptor superfamily member 10b
Isotype :	Mouse IgG1
Immunogen Information :	Recombinant fusion protein of human IgG heavy chain and extracellular domain of DR5.

Description

TRAIL-R2 (CD262, DR5) is one of two TNF superfamily member intracellular death domain containing receptors for TRAIL (APO2L). Apoptosis, or programmed cell death, occurs during normal cellular differentiation and development of multicellular organisms. Apoptosis is induced by certain cytokines including tumor necrosis factor (TNF) and Fas ligand in the TNF family through their death domain containing receptors, TNF receptor 1 (TNFR1) and Fas, respectively. Another member in the TNF family has been identified and designated TRAIL (for TNF related apoptosis inducing ligand) and Apo2L (for Apo2 ligand). Receptors for TRAIL include two death domain containing receptors, DR4 and DR5, as well as two decoy receptors, DcR1 and DcR2, lacking the intracellular signaling death domain. DcR1 (also called TRID), like the related death receptors DR4 and DR5, contains two extracellular cysteine rich domains. However, DcR1 contains no intracellular death domain and is thus incapable of signaling apoptosis. It has been suggested DcR1 is responsible for TRAIL resistance in normal human tissues including heart, placenta, lung, liver, kidney, spleen, and bone marrow. DR5 is a member of the TNF receptor superfamily, and contains an intracellular death domain. This receptor can be activated by tumor necrosis factor related apoptosis inducing ligand (TNFSF10/TRAIL/APO2L), and transduces apoptosis signal. Studies with FADD deficient mice suggested that FADD, a death domain containing adaptor protein, is required for the apoptosis mediated by this protein.
Specificity : The mouse monoclonal antibody DR5-01-1 recognizes an extracellular domain of TRAIL-R2 (DR5). TRAIL-R2 is one of two TNF superfamily members that contain death domain for TRAIL (APO2L).

Product Info

Amount :	0.1 mg
Purification :	The purified antibody is conjugated with allophycocyanin (APC) under optimum conditions. The conjugate is purified by size-exclusion chromatography.
Content :	0.1 mg/ml Formulation : Stabilizing phosphate buffered saline (PBS) solution containing 15 mM sodium azide
Storage condition :	Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.