



Anti-TNFRSF10C monoclonal antibody, clone 00006 (DCABY-4113)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description TNF-related apoptosis-inducing ligand (TRAIL), also known as Apo-2 ligand and TNFSF10, is a type II transmembrane protein with a carboxy-terminal extracellular domain that exhibits homology to other TNF superfamily members. TRAIL binds at least five different receptors: TRAIL R1 (DR4), R2 (DR5), R3 (DcR1), R4 (DcR2), and osteoprotegerin (OPG). TRAIL receptors all exhibit cysteine-rich repeats characteristic of the TNF receptor superfamily. TRAIL R1 and R2 are type 1 transmembrane proteins with intracellular death domains (DD) and, subsequently, have the ability to mediate TRAIL-induced apoptosis. The remaining receptors are decoys that may regulate TRAIL activity by competing for binding sites with TRAIL R1 and R2. TRAIL R3 is membrane-associated via GPI linkage. TRAIL R4 is a type 1 transmembrane receptor, but exhibits a truncated cytoplasmic domain. Like the active receptors TRAIL R1 and R2, OPG has a DD motif but is a soluble protein.

Specificity	Detects human TRAIL R3/TNFRSF10C inELISAs and Western blots. In Western blots, no cross-reactivity with recombinant human (rh)TRAILR1, rhTRAILR2, or rhTRAILR4 is observed.
Immunogen	Mouse myeloma cell line NS0-derived recombinant human TRAIL R3/TNFRSF10C. Ala26-Ala221 Accession Number O14798
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	00006
Purification	Protein A or G purified from ascites
Conjugate	Unconjugated

Applications	Western Blot, Immunohistochemistry, ELISA Capture (Matched Pair)
Format	Liquid
Size	500 µg
Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.
Preservative	None
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution.

GENE INFORMATION

Gene Name	TNFRSF10C tumor necrosis factor receptor superfamily, member 10c, decoy without an intracellular domain [Homo sapiens (human)]
Official Symbol	TNFRSF10C
Synonyms	TNFRSF10C; tumor necrosis factor receptor superfamily, member 10c, decoy without an intracellular domain; LIT; DCR1; TRID; CD263; TRAILR3; TRAIL-R3; DCR1-TNFR; tumor necrosis factor receptor superfamily member 10C; decoy receptor 1; cytotoxic TRAIL recept
Entrez Gene ID	8794
Protein Refseq	NP_003832
UniProt ID	O14798
Chromosome Location	8p22-p21
Pathway	Apoptosis; Apoptosis Modulation and Signaling; Cytokine-cytokine receptor interaction; Direct p53 effectors; Influenza A; Measles; Natural killer cell mediated cytotoxicity; TRAIL signaling pathway;
Function	TRAIL binding; transmembrane signaling receptor activity;