



Anti-TNFRSF10D monoclonal antibody, clone 205029 (DCABY-4128)

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 R4/TNFRSF10D in ELISAs and Western blots. In sandwich immunoassays, less than 5% cross-reactivity with recombinant human (rh) TRAIL R1, rhTRAIL R2, TRAIL R3, rhTRAIL, rhTNF-alpha, and rhTNF-beta is observed.
Immunogen	Mouse myeloma cell line NS0-derived recombinant human TRAIL R4/TNFRSF10D . Ala56-His211 Accession Number Q9UBN6
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	205029
Purification	Protein A or G purified from ascites
Conjugate	Unconjugated

Applications	Western Blot, Flow Cytometry, ELISA Capture (Matched Pair), Neutralization
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	TNFRSF10D tumor necrosis factor receptor superfamily, member 10d, decoy with truncated death domain [Homo sapiens (human)]
Official Symbol	TNFRSF10D
Synonyms	TNFRSF10D; tumor necrosis factor receptor superfamily, member 10d, decoy with truncated death domain; DCR2; CD264; TRUNDD; TRAILR4; TRAIL-R4; tumor necrosis factor receptor superfamily member 10D; TRAIL receptor 4; decoy receptor 2; TNF receptor-related r
Entrez Gene ID	8793
Protein Refseq	NP_003831
UniProt ID	Q9UBN6
Chromosome Location	8p21
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;