



20150217ML

Anti-Human TNFRSF10B (#10B4)

**FOR RESEARCH ONLY! NOT FOR HUMAN USE!**

Cat.-no.:	101-M652
Size:	100 µg
Lot. No.:	According to product label

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a mouse) immunized with human recombinant protein of TNFRSF10B extracellular domain (also called TRAIL R2).

Target Background

Synonyms (Target):	TNFRSF10B; DR5; CD262; KILLER; TRICK2; TRICKB; ZTNFR9; TRAILR2; TRICK2A; TRICK2B; TRAIL-R2; KILLER/DR5
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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 I 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 I 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.

Database References Target

Protein RefSeq:	NP_003833.4
Uniprot ID:	O14763
mRNA RefSeq:	NM_003842.4

Product Specifications

Host	Mouse
Reactivity against	Human
Clonality	Monoclonal Antibody
Clone	(#10B4)
Isotype	IgG1
Purification	Protein G chromatography
Antigen	Human recombinant TNFRSF10B EC domain
Formulation	lyophilized
Reconstitution buffer	PBS (sterile)

Reconstitution: Reconstitute the antibody with 200 µl sterile PBS and the final concentration is 500 µg/ml.

Stability: Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C. Reconstituted antibody can be aliquoted and stored frozen at < -20 °C for at least for six months without detectable loss of activity.

Remarks: This antibody was selected for its ability to detect human TNFRSF10B by direct ELISA.

**AVOID REPEATED FREEZE AND THAW CYCLES!**

Applications

The antibody can be used within the following applications:

Induction of Apoptosis

Recommended usage:

Induction of apoptosis

NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!