

## Datasheet

### TNFRSF10C monoclonal antibody, clone TRAIL-R3-02 (FITC)

**Catalog Number:** MAB5137

**Regulatory Status:** For research use only (RUO)

**Product Description:** Mouse monoclonal antibody raised against recombinant TNFRSF10C.

**Clone Name:** TRAIL-R3-02

**Immunogen:** Recombinant Fc fusion protein corresponding to amino acids 1-280 of TNFRSF10C.

**Host:** Mouse

**Theoretical MW (kDa):** 35

**Reactivity:** Human

**Applications:** Flow Cyt  
(See our web site product page for detailed applications information)

**Protocols:** See our web site at <http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Specificity:** This antibody reacts with TRAIL-R3, a 35 kDa GPI-anchored extracellular membrane protein expressed mainly on neutrophils.

**Form:** Liquid

**Conjugation:** FITC

**Concentration:** 0.1 mg/mL

**Isotype:** IgG1

**Recommend Usage:** Flow Cytometry (3 ug/mL)  
The optimal working dilution should be determined by the end user.

**Storage Buffer:** In PBS (0.2% BSA, 0.09% sodium azide)

**Storage Instruction:** Store in the dark at 4°C. Do not freeze.

Avoid prolonged exposure to light.  
Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 8794

**Gene Symbol:** TNFRSF10C

**Gene Alias:** CD263, DCR1, LIT, MGC149501, MGC149502, TRAILR3, TRID

**Gene Summary:** The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor contains an extracellular TRAIL-binding domain and a transmembrane domain, but no cytoplasmic death domain. This receptor is not capable of inducing apoptosis, and is thought to function as an antagonistic receptor that protects cells from TRAIL-induced apoptosis. This gene was found to be a p53-regulated DNA damage-inducible gene. The expression of this gene was detected in many normal tissues but not in most cancer cell lines, which may explain the specific sensitivity of cancer cells to the apoptosis-inducing activity of TRAIL. [provided by RefSeq]

#### References:

1. Differential inhibition of TRAIL-mediated DR5-DISC formation by decoy receptors 1 and 2. Merino D, Lalaoui N, Morizot A, Schneider P, Solary E, Micheau O. Mol Cell Biol. 2006 Oct;26(19):7046-55.
2. Preligand assembly domain-mediated ligand-independent association between TRAIL receptor 4 (TR4) and TR2 regulates TRAIL-induced apoptosis. Clancy L, Mruk K, Archer K, Woelfel M, Mongkolsapaya J, Screaton G, Lenardo MJ, Chan FK. Proc Natl Acad Sci U S A. 2005 Dec 13;102(50):18099-104. Epub 2005 Nov 30.
3. Surface TRAIL decoy receptor-4 expression is correlated with TRAIL resistance in MCF7 breast cancer cells. Sanlioglu AD, Dirice E, Aydin C, Erin N, Koksoy S, Sanlioglu S. BMC Cancer. 2005 May 25;5:54.