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

Catalog # MAB5137 Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against recombinant TNFRSF10C.
Immunogen	Recombinant Fc fusion protein corresponding to amino acids 1-280 of TNFRSF10C.
Host	Mouse
Theoretical MW (kDa)	35
Reactivity	Human
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.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Flow Cytometry

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Gene Info — TNFRSF10C

Entrez GeneID	8794
Gene Name	TNFRSF10C
Gene Alias	CD263, DCR1, LIT, MGC149501, MGC149502, TRAILR3, TRID
Gene Description	tumor necrosis factor receptor superfamily, member 10c, decoy without an intracellular domain
Omim ID	603613
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor co ntains an extracellular TRAIL-binding domain and a transmembrane domain, but no cytoplasmic d eath 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 b e a p53-regulated DNA damage-inducible gene. The expression of this gene was detected in ma ny normal tissues but not in most cancer cell lines, which may explain the specific sensitivity of can cer cells to the apoptosis-inducing activity of TRAIL. [provided by RefSeq
Other Designations	TNF related TRAIL receptor|TNF related apoptosis-inducing ligand receptor 3|TRAIL receptor 3|a ntagonist decoy receptor for TRAIL/Apo-2L|decoy receptor 1|decoy without an intracellular domai n|lymphocyte inhibitor of TRAIL|tumor necrosis factor receptor sup

Publication Reference

- 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.

  Molecular and Cellular Biology 2006 Oct; 26(19):7046.

- 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.

  PNAS 2005 Dec; 102(50):18099.

  Application: Flow Cyt, Human, Peripheral blood mononuclear cells

- 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; 5:54.

  Application: Flow Cyt, Human, MCF-7 cells

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Pathway

- Apoptosis
- Cytokine-cytokine receptor interaction
- Natural killer cell mediated cytotoxicity

Disease

- Asthma
- Breast cancer
- Breast Neoplasms
- Genetic Predisposition to Disease
- Hematologic Diseases
- Hodgkin Disease
- Lymphoproliferative Disorders
- Multiple Myeloma
- Occupational Diseases
- Waldenstrom Macroglobulinemia
- Werner syndrome

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