molecular probes by life technologies

CD253 (TRAIL) Mouse Anti-Human mAb (clone RIK-2), PE Conjugate

Store at 2°C to 8°C

Pub. No. MAN0009491 **Rev.** 1.00

Catalog No.	Form	Amount	Excitation	Peak Emission
A18381	PE	25 tests (5 µL/test; 0.012 µg/µL)	496 nm	578 nm

Clone	RIK-2
Host/Class	Mouse IgG1κ
Description	The CD253 (TRAIL) Mouse Anti-Human Monoclonal Antibody (mAb) recognizes human TNF-related apoptosis-inducing ligand (TRAIL), a member of the TNF superfamily. Resting human cells do not express CD253 but its expression can be induced under certain activation conditions. CD253 is expressed on several human tumor lines. Apoptosis is induced by interaction of CD253 with its ligand, Apo-2, and inhibited by the CD253 (TRAIL) Mouse Anti-Human mAb.
Alternate Names	TNFSF10, TL2, APO2L
Applications*	FC (human TRAIL transfected cells)
Storage Buffer	The reagent is provided in aqueous buffer with 0.09% sodium azide, and may contain carrier protein/stabilizer. **CAUTION!** Sodium azide is extremely toxic and may react with lead and copper plumbing to form highly explosive metal azides. Properly dispose of solutions containing sodium azide. Read the Safety Data Sheet (SDS) and follow the handling instructions. Wear appropriate protective eyewear, clothing, and gloves. SDSs are available at **www.lifetechnologies.com/support**.
Storage	Store reagents in the dark at 2° to 8°C. Do not freeze. If the reagent is being diluted, it is recommended that only the quantity to be used within one week be diluted. Avoid prolonged light exposure with fluorochrome-conjugated antibodies. Use dim light during handling, incubation with cells, and prior to analysis.
Stability	When stored as instructed, expires one year from date of receipt unless otherwise indicated on Certificate of Analysis.
Lot Number	See product label.
References	1. Kaplan MJ, Ray D, Mo RR, Yung RL, Richardson BC. TRAIL (Apo2 ligand) and TWEAK (Apo3 ligand) mediate CD4+ T cell killing of antigen-presenting macrophages. *J Immunol*. 2000 Mar 15;164(6):2897-904. 2. Kayagaki N, Yamaguchi N, Nakayama M, Takeda K, Akiba H, Tsutsui H, Okamura H, Nakanishi K, Okumura K, Yagita H. Expression and function of TNF-related apoptosis-inducing ligand on murine activated NK cells. *J Immunol*. 1999 Aug 15;163(4):1906-13.

* Because conditions may vary, it is recommended that each investigator determine the optimal amount of antibody to be used for each application.

FC = flow cytometry; FUNC = functional assay; ICC = immunocytochemistry; IHC(F) = immunohistochemistry (frozen sample); IHC(P) = immunohistochemistry (paraffin embedded sample); IP = immunoprecipitation; RIA = radioimmunoassay; WB = western blot

Manufacturing site: 7335 Executive Way | Frederick, MD 21704 | Toll Free in USA 800.955.6288

Explanation of Symbols

The symbols present on the product label are explained below:

Symbol	Description	Symbol	Description	Symbol	Description
	Manufacturer		Catalog number		Batch code
	Use by		Temperature limitation		
	Consult instructions for use		Caution, consult accompanying documents		

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