

1P-519-C025

Monoclonal Antibody to CD264 / TRAIL-R4 Phycoerythrin (PE) conjugated (0.025 mg)

Clone:	TRAIL-R4-01
Isotype:	Mouse IgG1
Specificity:	The antibody TRAIL-R4-01 reacts with TRAIL-R4, a 42 kDa transmembrane protein expressed on various blood cells.
Regulatory Status:	RUO
Immunogen:	TRAIL-R4 (aa 1-210) - hIgGhc fusion protein
Species Reactivity:	Human
Preparation:	The purified antibody is conjugated with R-Phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography.
Concentration:	0.1 mg/ml
Storage Buffer:	The reagent is provided in stabilizing phosphate buffered saline (PBS) solution containing 15mM sodium azide.
Storage / Stability:	Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light. Do not use after expiration date stamped on vial label.
Usage:	The reagent is designed for Flow Cytometry analysis. Suggested working concentration is 3 µg/ml. Indicated dilution is recommended starting point for use of this product. Working concentrations should be determined by the investigator.
Expiration:	See vial label
Lot Number:	See vial label
Background:	TRAIL-R4 (CD264, TR4, DcR2, TRUNDD), expressed mainly on CD8+ and NK cells, belongs to receptors of TRAIL, a TNF-like membrane toxic protein that induces apoptosis in many tumour cells, but not in normal cells. TRAIL-R4, however, contains partially truncated death domain, thus it is unable to induce apoptosis and serves as a negative regulator of apoptotic signaling by impairment death-inducing signaling complex (DISC) processing. TRAIL-R4 interacts with death receptor 5 (DR5) in the native DISC in a TRAIL-dependent manner and prevents its corecruitment with death receptor 4 (DR4).
References:	*Clancy L, Mruk K, Archer K, Woelfel M, Mongkolsapaya J, Screaton G, Lenardo MJ, Chan FK: Preligand assembly domain-mediated ligand-independent association between TRAIL receptor 4 (TR4) and TR2 regulates TRAIL-induced apoptosis. <i>Proc Natl Acad Sci U S A</i> . 2005 Dec 13;102(50):18099-104. *Sanlioglu AD, Dirice E, Aydin C, Erin N, Koksoy S, Sanlioglu S. Surface TRAIL decoy receptor-4 expression is correlated with TRAIL resistance in MCF7 breast cancer cells. <i>BMC Cancer</i> . 2005 May 25;5(1):54. *Mérino D, Lalaoui N, Morizot A, Schneider P, Solary E, Micheau O: Differential inhibition of TRAIL-mediated DR5-DISC formation by decoy receptors 1 and 2. <i>Mol Cell Biol</i> . 2006 Oct;26(19):7046-55. *Falschlehner C, Emmerich CH, Gerlach B, Walczak H: TRAIL signalling: decisions between life and death. <i>Int J Biochem Cell Biol</i> . 2007;39(7-8):1462-75. *Deligezer U, Dalay N: Expression of the TRAIL Receptors in Blood Mononuclear Cells in Leukemia. <i>Pathol Oncol Res</i> . 2007;13(4):290-4.

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Antibodies

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