



1P-316-C025

Monoclonal Antibody to CD253 / TRAIL Phycoerythrin (PE) conjugated (0.025 mg)

Clone:	2E5
Isotype:	Mouse IgG1
Specificity:	The antibody 2E5 reacts with TRAIL (APO-2L), a 21 kDa cytotoxic protein, activator of rapid apoptosis in tumor cells. TRAIL is mainly expressed in spleen, lung, prostate and also in many other tissues.
Regulatory Status:	RUO
Immunogen:	Recombinant soluble fragment (aa 95-281) of human TRAIL.
Species Reactivity:	Human
Negative Species:	Mouse, Other not tested
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.
Expiration:	See vial label
Lot Number:	See vial label
Background:	Human CD253 / TRAIL (TNF-Related Apoptosis Inducing Ligand), also called Apo2, is a type II membrane protein from the TNF family. TRAIL is a cytotoxic protein which activates rapid apoptosis in tumor cells, but not in normal cells. TRAIL-induced apoptosis, is achieved through binding to two death-signaling receptors, DR4 (CD261 / TRAIL-R1) and DR5 (CD262 / TRAIL-R2).
References:	*Plasilova M, Zivny J, Jelinek J, Neuwirtova R, Cermak J, Necas E, Andera L, Stopka T: TRAIL (Apo2L) suppresses growth of primary human leukemia and myelodysplasia progenitors. <i>Leukemia</i> . 2002 Jan;16(1):67-73. *Hyer ML, Croxton R, Krajewska M, Krajewski S, Kress CL, Lu M, Suh N, Sporn MB, Cryns VL, Zapata JM, Reed JC: Synthetic triterpenoids cooperate with tumor necrosis factor-related apoptosis-inducing ligand to induce apoptosis of breast cancer cells. <i>Cancer Res</i> . 2005 Jun 1;65(11):4799-808.

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