

## Product datasheet for **SM1847RP**

### TRAIL (TNFSF10) (95-281) Mouse Monoclonal Antibody [Clone ID: 2E5]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	2E5
Applications:	FC
Recommended Dilution:	Flow cytometry.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant soluble fragment (aa 95-281) of human TRAIL
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.
Formulation:	Phosphate buffered saline (PBS) Label: PE State: Liquid purified Ig fraction Stabilizer: 0.2% (w/v) high-grade protease free Bovine Serum Albumin (BSA) Preservative: 15 mM sodium azide Label: Conjugated with R-Phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography.
Concentration:	lot specific
Conjugation:	PE
Storage:	Store undiluted at 2-8°C. Do not freeze. This product is photosensitive and should be protected from light.
Stability:	Shelf life: one year from despatch.
Gene Name:	tumor necrosis factor superfamily member 10
Database Link:	<a href="#">Entrez Gene 8743 Human P50591</a>



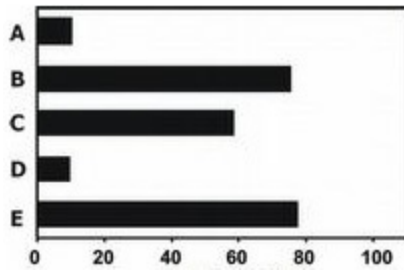
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**Background:**

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).

**Synonyms:**

Apo-2 ligand, TNFSF10, APO2L, Apo-2L

**Product images:**


Apoptosis induced in JURKAT human T cell leukemia cell line by soluble recombinant human TRAIL is completely blocked by anti-human TRAIL (2E5). The neutralizing activity of the antibody 2E5 has been confirmed with various sources of soluble recombinant human TRAIL. A - medium B - recombinant TRAIL C - recombinant TRAIL + anti-human TRAIL (2E5; 0.06 ug/ml) D - recombinant TRAIL + anti-human TRAIL (2E5; 0.24 ug/ml) E - recombinant TRAIL + Isotype mouse IgG1 control