

## Product datasheet for **SM1847LE**

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

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	2E5
Applications:	FC, FN
Recommended Dilution:	<b>Functional application:</b> High neutralizing activity for human TRAIL in biological assays. <b>Flow cytometry:</b> 1-10 µg/ml.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant soluble fragment (aa 95-281) of human TRAIL
Specificity:	This antibody 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:	Buffered saline (PBS), approx. pH 7.4; 0.2 µm filter sterilized State: Low Endotoxin State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Protein A (> 95% pure by SDS-PAGE)
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C. <b>DO NOT FREEZE!</b>
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>



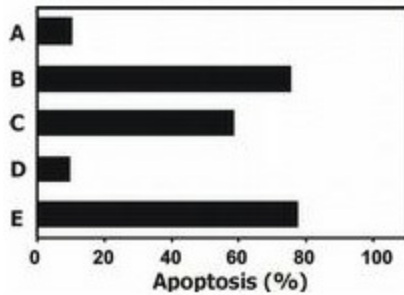
[View online »](#)

**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 E - recombinant TRAIL + Isotype mouse IgG1 control