

## 30-1201: Anti-CD253 / TRAIL Monoclonal Antibody (Clone:2E5)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	2 E 5
<b>Application :</b>	Functional Assay
<b>Reactivity :</b>	Human
<b>Gene :</b>	TNFSF10
<b>Gene ID :</b>	8743
<b>Uniprot ID :</b>	P50591
<b>Format :</b>	Purified
<b>Alternative Name :</b>	TNFSF10,APO2L,TRAIL
<b>Isotype :</b>	Mouse IgG1
<b>Immunogen Information :</b>	Recombinant soluble fragment (aa 95-281) of human TRAIL.

### Description

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).

### Product Info

<b>Amount :</b>	0.1 mg
<b>Purification :</b>	Purified by protein-A affinity chromatography
<b>Storage condition :</b>	Store at 2-8°C. Do not freeze.

### Application Note

**Functional Application** The antibody 2E5 has high neutralizing activity for human TRAIL in biological assays. **Flow Cytometry** Recommended dilution:1-10 µg/ml

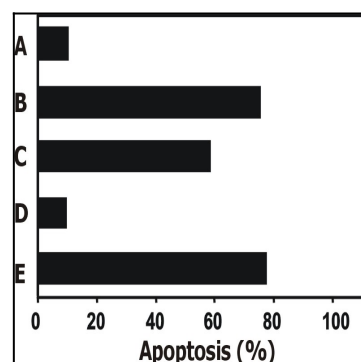


Figure 1: Apoptosis induced in JURKAT human T cell leukemia cell line by soluble recombinant human TRAIL is completely blocked by anti-human TRAIL (2E5).The neutralizing activity of the antibody 2E5 has been confirmed with various sources of soluble recombinant human TRAIL.A - mediumB - recombinant TRAILC - recombinant TRAIL + anti-human TRAIL (2E5; 0.06 µg/ml)D - recombinant TRAIL + anti-human TRAIL (2E5; 0.24 µg/ml) E - recombinant TRAIL + Isotype mouse IgG1 control