

30-1605: Anti-CD253 / TRAIL Monoclonal Antibody (Clone:2E5)

Clonality :	Monoclonal
Clone Name :	2 E 5
Application :	Functional Assay
Reactivity :	Human
Gene :	TNFSF10
Gene ID :	8743
Uniprot ID :	P50591
Alternative Name :	TNFSF10,APO2L,TRAIL
Isotype :	Mouse IgG1
Immunogen Information :	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

Amount :	0.1 mg
Purification :	Purified by protein-A affinity chromatography
Storage condition :	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

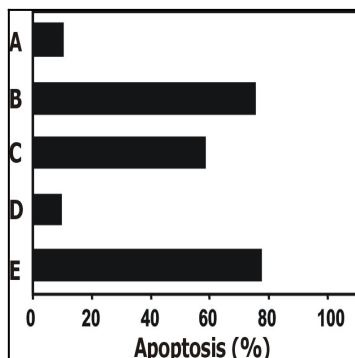


Figure 1: Induction of apoptosis in JURKAT human T cell leukemia cell line by soluble recombinant human TRAIL is completely blocked by anti-human TRAIL (2E5). The neutralizing activity of the antibody 2E5 has been confirmed with various sources of soluble recombinant human TRAIL. A - medium B - recombinant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