9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

# 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 apotosis, is achieved through binding to two dealth-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

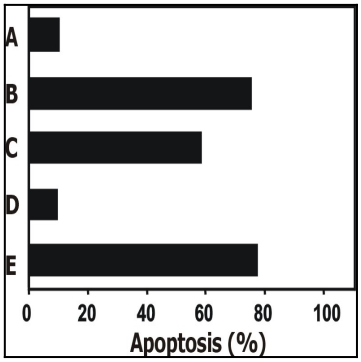



Figure 1: Induction of apoptosis Figure 1: Apoptosis induced in JURKAT human T cell leukemia cell line by soluble recombinant human TRAIL is completely blocked by anti-human TRAIL (2E5).The neutralizing activity of the antibody 2E5 has been confirmed with various sources of soluble recombinant human 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

***For Research Use Only. Not for use in diagnostic/therapeutics procedures.***