

### 30-1605: 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>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

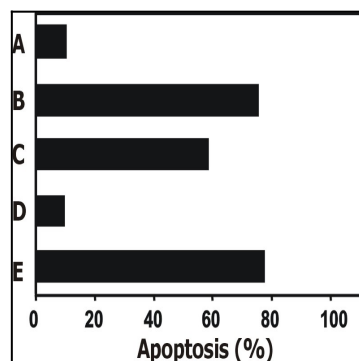


Figure 1: Induction of apoptosis Figure 1: Apoptosis induced in JURKAT human T cell leukemia cell line by soluble recombinant human TRAIL is completely blocked by anti-human TRAIL (2E5).The neutralizing activity of the antibody 2E5 has been confirmed with various sources of soluble recombinant human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