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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

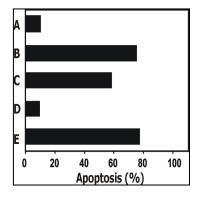


Figure 1: Induction of apoptosis Figure 1: Apoptosis induced in JURKAT human T cell leukemia cell line by soluble recombinant human TRAIL is completely blocked by anti-human TRAIL (2E5). The neutralizing activity of the antibody 2E5 has been confirmed with various sources of soluble recombinant human TRAIL. A - mediumB - recombinant TRAILC - recombinant TRAILL + anti-human TRAIL (2E5; 0.06 μ g/ml)D - recombinant TRAIL + anti-human TRAIL (2E5; 0.24 μ g/ml) E - recombinant TRAIL + lsotype mouse lgG1 control