

32-20503: Recombinant Murine TRAIL(Discontinued)

Reactivity : Human, Mouse

Alternative Name : TNF-Related Apoptosis-Inducing Ligand, TNFSF10, TL2

Description

Source: **E.coli** 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 and DR5. These receptors belong to the TNFR superfamily of transmembrane proteins, and contain a cytoplasmic "death domain", which activates the cell's apoptotic machinery. Recombinant Murine TRAIL is a 174 amino acid polypeptide (20.0 kDa), consisting of the TNF-homologous portion of the extracellular domain of the full length TRAIL protein.

Product Info

Amount : 10 µg / 50 µg

Purification : Purity: >= 95% by SDS-PAGE gel and HPLC analyses.

Content : This recombinant protein is supplied in lyophilized form.

Amino Acid : MRGGRPQKVA AHITGITRRS NSALIPISKD GKT LGQKIES WESSRKGHSF LNHVLFNRGE LVIEQEGLYY
IYSQTYFRFQ EAEDASKMVS KDKVRTKQLV QYIYKYTSYP DPIVLMKSAR NSCWSRDAEY GLYSIQGGL
FELKKNDRIF VSVTNEHLMD LDQEASFFGA FLIN

Application Note

Assay#1: Determined by the dose-dependent stimulation of MIP-2 production by mouse spleen cells using a concentration range of 10-100 ng/ml. Assay#2: Measured by its ability to induce apoptosis in LN-18 cells (human glioblastoma cells). The expected ED₅₀ for this effect is 40.0-60.0 ng/ml.