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32-20503: Recombinant Murine TRAIL(Discontinued)

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

Description

Source:E.coliTRAIL 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 Â“death domainÂ”, which activates the cellÂ'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 GKTLGQKIES WESSRKGHSF LNHVLFRNGE LVIEQEGLYY IYSQTYFRFQ EAEDASKMVS KDKVRTKQLV QYIYKYTSYP DPIVLMKSAR NSCWSRDAEY GLYSIYQGGL 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.ÃÂ Assay#2: Measured by its ability to induce apoptosis in LN-18 cells (human glioblastoma cells). The expectedÃÂ $ED_{50}$for this effect is 40.0-60.0 ng/ml.