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32-6574: TNFRSF10B Human, Sf9

Application : Functional Assay

Alternative Name : TNFRSF10B, CD262, DR5, KILLER, KILLER/DR5, TRAIL-R2, TRAILR2, TRICK2, TRICK2A, TRICK2B, TRICKB, ZTNFR9, Death receptor 5, TNF-related apoptosis-inducing ligand receptor 2.

Description

Source: Sf9, Insect cells.
Sterile Filtered colorless solution.
TRAIL Receptor-1 (DR4) and TRAIL Receptor-2(DR5) are members of the TNFR superfamily of transmembrane proteins and contain a cytoplasmic "death domain", which is capable of activating the cell's apoptotic machinery. These receptors are activated by binding to either membrane anchored or soluble TRAIL/Apo2L.
TNFRSF10B produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 394 amino acids (56-210a.a.) and having a molecular mass of 43.9kDa. (Molecular size on SDS-PAGE will appear at approximately 40-57kDa).TNFRSF10B is expressed with a 239 amino acid hIgG-His tag at C-Terminus and purified by proprietary chromatographic techniques.

Product Info

Amount : 2 µg / 10 µg

Purification : Greater than 90% as determined by SDS-PAGE.

Content : TNFRSF10B protein solution (1mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.

Storage condition : Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.

Amino Acid : ITQQDLAPQQ RAAPQQKRSS PSEGLCPPGH HISEDGRDCI SCKYGQDYST HWNDLLFCLR CTRCDSGEVE LSPCTTTRNT VCQCEEGTFR EEDSPEMCRK CRTGCPRGMV KVGDCTPWSD IECVHKESGT KHSGEVPAVE ETVTSSPGTP ASPCSLEPKS CDKTHTCPPC PAPELLGGPSVFLFPPKPKD TLMISRTPEV TCVVVDVSHE DPEVKFNWYV DGVEVHNAKT KPREEQYNST YRVVSVLTVL HQDWLNGKEY KCKVSNKALP APIEKTISKA KGQPREPQVY TLPPSRDELT KNQVSLTCLV KGFYPSDIAV EWESNGQPEN NYKTTPPVLD SDGSFFLYSK LTVDKSRWQQGNVFSCSVMH EALHNHYTQK SLSLSPGKHH HHHH.

Application Note

Measured by its ability to inhibit cytotoxicity assay using Jurkat human T lymphocyte. The ED50 for this effect <= to 5ng/ml with TRAIL ÃÂ .