

37-1018: Human TRAIL R1 / CD261 / TNFRSF10A Recombinant Protein (His Tag)(Discontinued)

Reactivity : Human

Alternative Name : APO2 Protein, CD261 Protein, DR4 Protein, MGC9365 Protein, TNFRSF10A Protein, TRAILR-1 Protein, TRAILR1 Protein,

Description

Source : HEK293 Cells

Tumor necrosis factor receptor superfamily, member 1a (TRAIL R1), also known as TRAIL receptor 1 (TRAIL R1) or CD261 antigen, is a member of the TNF-receptor superfamily. This receptor is activated by tumor necrosis factor-related apoptosis inducing ligand (TNFSF1/TRAIL), and thus transduces cell death signal and induces cell apoptosis. Studies with FADD-deficient mice suggested that FADD, a death domain containing adaptor protein, is required for the apoptosis mediated by this protein. TRAIL R1/CD261/TNFRSF1A serves as a receptor for the cytotoxic ligand TNFSF1/TRAIL. The adapter molecule FADD recruits caspase-8 to the activated receptor. The resulting death-inducing signaling complex (DISC) performs caspase-8 proteolytic activation which initiates the subsequent cascade of caspases (aspartate-specific cysteine proteases) mediating apoptosis. TRAIL R1 can promote the activation of NF-kappa-B. TRAIL R1/CD261/TNFRSF1A induces apoptosis of many transformed cell lines but not of normal tissues, even though its death domain-containing receptor, DR4, is expressed on both cell types. Cancer Immunotherapy Immune Checkpoint Immunotherapy Targeted Therapy

Product Info

Amount : Human TRAIL R1 / CD261 / TNFRSF10A Recombinant Protein (His Tag)(Discontinued) / 200 µg
Purification : > 92 % as determined by SDS-PAGE
Content : Formulation Lyophilized from sterile PBS, pH 7.4
 Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Storage condition : Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Amino Acid : Met1-Asn239

Application Note

Measured by its ability to inhibit TRAIL-mediated cytotoxicity using L-929 mouse fibroblast cells treated with TRAIL. The ED50 for this effect is typically 50-200 ng/ml in the presence of 20 ng/ml Recombinant Human TRAIL/TNFSF10. Endotoxin :< 1.0 EU per µg of the protein as determined by the LAL method

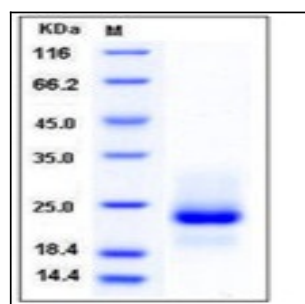


Fig 1: Human TRAIL R1 / CD261 / TNFRSF10A Recombinant Protein (His Tag)