

Human TNF Receptor I protein, His and GST tag (active)

Cat. No. GTX00234-pro**Applications** Functional Assay**Species** Human**Package**

10 µg

Applications

Application Note

Tumor necrosis factor receptor superfamily member 1B (TNFRSF1B), also known as tumor necrosis factor receptor 2 (TNFR2) and CD120b, is a membrane receptor that binds tumor necrosis factor- α (TNF α). This protein and TNF-receptor 1 form a heterocomplex that mediates the recruitment of two anti-apoptotic proteins, c-IAP1 and c-IAP2, which possess E3 ubiquitin ligase activity. TNFRSF1B can inhibit cell apoptosis which induced by TNF α . Briefly, A549 cells were seeded into triplicate wells of 96-well plates at a density of 2000 cells/well and allowed to attach, replaced with serum-free overnight, then the medium was replaced with 2% serum standard DMEM including 1µg/ml TNF α and various concentrations of recombinant human TNFRSF1B. After incubated for 96h, cells were observed by inverted microscope and cell proliferation was measured by Cell Counting Kit-8 (CCK-8). Briefly, 10 µl of CCK-8 solution was added to each well of the plate, then the absorbance at 450nm was measured using a microplate reader after incubating the plate at 37°C for 1-4 hours. Apoptosis of A549 cells had been inhibit after incubation with TNFRSF1B for 96h observed by inverted microscope.

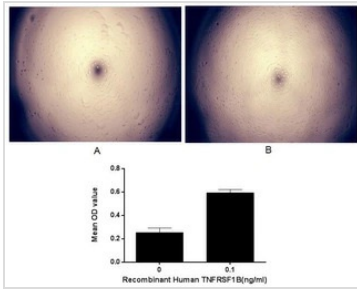
Observed MW (kDa) 50 kDa.

Properties

Form Lyophilized powder**Buffer** Reconstitute with 20mM Tris and 150mM NaCl to 0.1-1.0mg/ml. Do not vortex. Lyophilized from 20mM Tris, 150mM NaCl, 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose.**Preservative** ProClin 300**Storage** For short-term storage (1-2 weeks), store at 4°C. For long-term storage, store at -20°C or below. After reconstitution, keep as concentrated solution. Avoid freeze-thaw cycles.**Region/Sequence** N-terminal His and GST-Tag; Thr60~Tyr236 (NP_001056.1)**Expression System** E. coli**Purity** > 95%**Endotoxin** < 1 EU/µg**Conjugation** Unconjugated**Note** For laboratory use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

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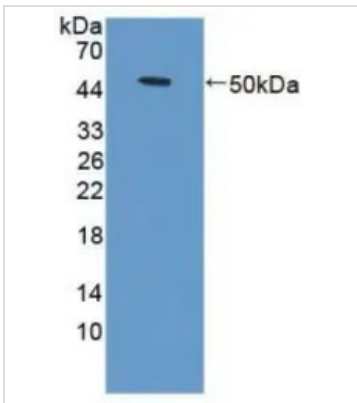
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DATA IMAGES

GTX00234-pro Functional Assay Image

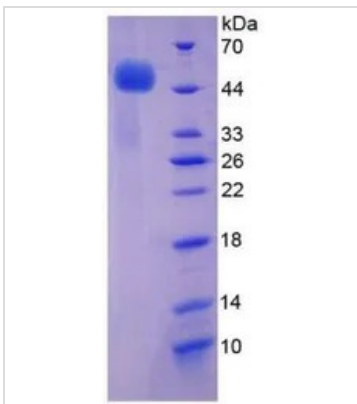
The suppression effect of GTX00234-pro Human TNF Receptor I protein (active) on TNF-alpha induced apoptosis. Cell viability was measured by Cell Counting Kit-8 (CCK-8).

(A) A549 cells cultured in DMEM only contain 1 µg/ml TNFα for 96hrs.

(B) A549 cells cultured in DMEM contain 1 µg/ml TNF alpha and 0.1 ng/ml TNFRSF1B for 96hrs.


GTX00234-pro Image

WB analysis of GTX00234-pro Human TNF Receptor I protein (active).


GTX00234-pro Image

SDS-PAGE analysis of GTX00234-pro Human TNF Receptor I protein (active).



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