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Product Datasheet

Human TNF alpha protein, His tag (active), Unconjugated GTX00102-PRO

Artikelname	Human TNF alpha protein, His tag (active), Unconjugated
Artikelnummer	GTX00102-PRO
Hersteller Artikelnummer	GTX00102-pro
Alternativnummer	GTX00102-PRO-10
Hersteller	GeneTex
Kategorie	Proteine/Peptide
Applikation	FA
Spezies Reaktivität	Human
Konjugation	Unconjugated
NCBI	7124
UniProt	P01375
Puffer	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, ProClin 300.
Expression System	E. coli
Formulierung	Lyophilized powder
Sequenz	N-terminal His-Tag, Val77~Leu233 (NP_000585.2)

Anwendungsbeschreibung	TNF-a (Tumor necrosis factor), is mainly secreted by macrophages and can induce cell death of certain tumor cell lines. It has been reported that TNFa can inhibit the proliferation and induce apoptosis of A549 cells, besides, the concentration of IL-1beta and IL-8 in cell supernatant will increase after stimulation. Therefore, a stimulation assay of TNFa was conducted using A549 cells. Briefly, A549 cells were incubated in DMEM with different concentrations of TNFa (1 ng/ml, 10 ng/ml, 100 ng/ml, 1000 ng/ml) for 8h, after which the concentration of IL-1beta in the cell supernatant were detected by ELISA. IL-1beta levels in the cell supernatant of A549 cells increased significantly after stimulation.
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