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Product Datasheet

Human TNF beta protein, His tag (active), Unconjugated GTX00103-PRO

Article Name	Human TNF beta protein, His tag (active), Unconjugated
Biozol Catalog Number	GTX00103-PRO
Supplier Catalog Number	GTX00103-pro
Alternative Catalog Number	GTX00103-PRO-10
Manufacturer	GeneTex
Category	Proteine/Peptide
Application	FA
Species Reactivity	Human
Conjugation	Unconjugated
NCBI	4049
UniProt	P01374
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, ProClin 300.
Expression System	E. coli
Form	Lyophilized powder
Sequence	N-terminal His-Tag, Pro36~Leu205 (NP_000586.2)

Application Notes

TNF-beta, a member of the tumor necrosis factor family, is a potent lymphoid factor that exerts cytotoxic effects on a wide range of tumor cells. The biological effects of TNF-beta are very similar to TNF-alpha, due to the similarity of molecular structure and the receptors. As reported, TNF-beta could inhibit the proliferation and induce necrosis of A549 cells, and the concentration of IL-1beta in cell supernatant will increase after stimulation. Therefore, A549 cells were incubated in DMEM with TNF-beta (10 ng/ml) for 8h, 24h, 48h, 72h, then cells were observed by inverted microscope.