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## Product Datasheet

### Rat TNF alpha protein, His tag (active), Unconjugated GTX00342-PRO

Artikelname	Rat TNF alpha protein, His tag (active), Unconjugated
Artikelnummer	GTX00342-PRO
Hersteller Artikelnummer	GTX00342-pro
Alternativnummer	GTX00342-PRO-10
Hersteller	GeneTex
Kategorie	Proteine/Peptide
Applikation	FA
Spezies Reaktivität	Rat
Konjugation	Unconjugated
NCBI	<a href="#">24835</a>
UniProt	<a href="#">P16599</a>
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, Leu80~Leu235 (NP_036807.1)

Anwendungsbeschreibung

TNF-a (Tumor necrosis factor), being an endogenous pyrogen, is able to induce fever, apoptotic cell death, inflammation and to inhibit tumorigenesis. As reported, TNFa could inhibit the proliferation and induce apoptosis of A549 cells, and the concentration of IL-1beta and IL-8 in cell supernatant will increase after stimulation. Therefore, A549 cells were incubated in DMEM with TNFa (1 ng/ml, 10 ng/ml, 100 ng/ml, 1000 ng/ml) for 8h, IL-1beta and IL-8 were detected in the cell supernatant by ELISA. After incubation with TNF-a for 8h, IL-1beta significantly increased in the cell supernatant.