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Product Datasheet

Human IL6 protein, His and GST tag (active), Unconjugated GTX00094-PRO

Article Name	Human IL6 protein, His and GST tag (active), Unconjugated
Biozol Catalog Number	GTX00094-PRO
Supplier Catalog Number	GTX00094-pro
Alternative Catalog Number	GTX00094-PRO-10
Manufacturer	GeneTex
Category	Proteine/Peptide
Application	FA
Species Reactivity	Human
Conjugation	Unconjugated
NCBI	3569
UniProt	P05231
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 and GST-Tag, Pro29~Met212 (NP_000591.1)

Application Notes

Interleukin-6 (IL-6), a pro-inflammatory cytokine and an anti-inflammatory myokine, plays important roles in the acute phase reaction, inflammation, hematopoiesis, bone metabolism, and cancer progression. It has been reported that IL-6 significantly increased the MMP-10 protein lever in the human lung cancer A549 cells through the JAK/STAT signaling pathway. Briefly, A549 cells were seeded into 6-well cell culture clusters and allowed to grow to 50-70% confluence, then different concentrations of IL-6 was added. After incubated for 24h, the protein levels of MMP-10 in the cell supernatant were determined by Western blot. MMP-10 protein lever significantly increased in A549 cells due to the stimulation of IL-6.