

Human IL4 protein, His tag (active)

Cat. No. GTX00093-pro

Applications Functional Assay**Species** Human**Package**

10 µg

Applications

Application Note

Interleukin 4 (IL4) is a cytokine that induces differentiation of naive helper T cells and monocyte. As reported, IL-4 would induce the differentiation of THP-1 cells into dendritic cells and macrophages in vitro. THP-1 cells were cultured in RPMI-1640 and stimulated with 2 ng/ml IL-4, after 12 days of stimulation, cell bodies enlarged with extending pseudopodia, and vesicular bodies appeared within the cells, which showed a morphological characteristics of dendritic cells and macrophages.

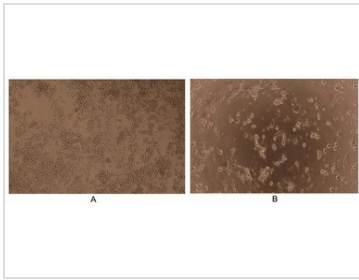
Observed MW (kDa) 20 kDa.

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-Tag; His25~Ser153 (NP_000580.1)**Expression System** HEK293 cells**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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DATA IMAGES

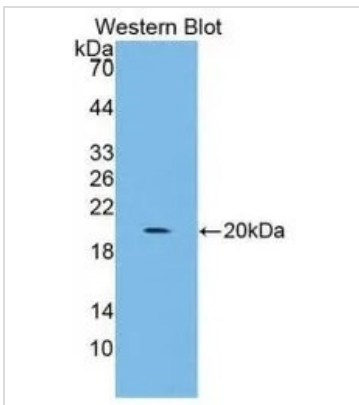


GTX00093-pro Functional Assay Image

Cell differentiation effect of GTX00093-pro Human IL4 protein (active).

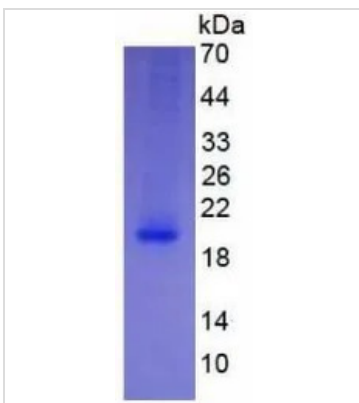
(A) Unstimulated THP-1 cells cultured in RPMI-1640.

(B) THP-1 cells cultured in RPMI-1640, stimulated with IL-4.



GTX00093-pro Image

WB analysis of GTX00093-pro Human IL4 protein (active).



GTX00093-pro Image

SDS-PAGE analysis of GTX00093-pro Human IL4 protein (active).



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