

Mouse IL18 protein, His tag (active)

Cat. No. GTX00284-pro

Applications Functional Assay**Species** Mouse**Package**

10 µg

Applications

Application Note

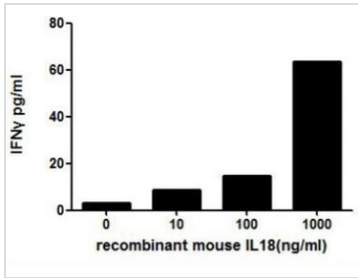
IL18 (interleukin 18) is a cytokine that shares similarities in structure with IL1, and is produced by macrophages and other cells. IL18 has been reported to stimulate T cells proliferation and NK cell activity, besides, murine IL18 has been found to enhance the production of INF γ in spleen cells in vitro. Thus, a stimulation assay was conducted to detect the activity of IL18 using murine spleen cells. Briefly, murine spleen cells were seeded into wells of 6-well plates at a density of 2×10^6 cells/ml in RPMI-1640 with the addition of various concentrations of IL18. After incubation for 48 hours, the concentration of INF γ in the cell supernatant was detected using an ELISA kit. INF γ levels in the cell supernatant of spleen cells increased significantly after stimulated with IL18.

Observed MW (kDa) 19 kDa.

Properties

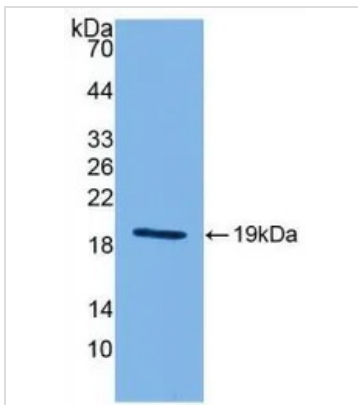
Form Lyophilized powder**Buffer** Reconstitute with 20mM Tris and 150mM NaCl to 0.1-1.0mg/ml. Do not vortex. Lyophilized from 20mM Tris, 150mM NaCl, 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose.**Preservative** ProClin 300**Storage** For short-term storage (1-2 weeks), store at 4°C. For long-term storage, store at -20°C or below. After reconstitution, keep as concentrated solution. Avoid freeze-thaw cycles.**Region/Sequence** N-terminal His-Tag; Asn36~Ser192 (NP_032386.1)**Expression System** E. coli**Purity** > 90%**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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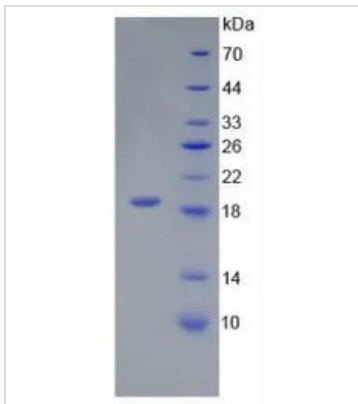
DATA IMAGES

GTX00284-pro Functional Assay Image

ELISA detection of secreted IFN gamma protein activation from murine spleen cells induced by GTX00284-pro Mouse IL18 protein (active) for 48hrs.

Recombinant protein concentrations: 1, 10, 100, and 1000 ng/ml.


GTX00284-pro Image

WB analysis of GTX00284-pro Mouse IL18 protein (active).


GTX00284-pro Image

SDS-PAGE analysis of GTX00284-pro Mouse IL18 protein (active).



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