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Product Datasheet

Mouse IL18 protein, His tag (active), Unconjugated GTX00284-PRO

Article Name	Mouse IL18 protein, His tag (active), Unconjugated
Biozol Catalog Number	GTX00284-PRO
Supplier Catalog Number	GTX00284-pro
Alternative Catalog Number	GTX00284-PRO-10
Manufacturer	GeneTex
Category	Proteine/Peptide
Application	FA
Species Reactivity	Mouse
Conjugation	Unconjugated
NCBI	16173
UniProt	P70380
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, Asn36~Ser192 (NP_032386.1)

Application Notes	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 INFgamma 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 INFgamma in the cell supernatant was detected using an ELISA kit. INFgamma levels in the cell supernatant of spleen cells increased significantly after stimulated with IL18.
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