

Mouse Interferon gamma protein, His tag (active)

Cat. No. GTX00283-pro

Application	Functional Assay
Species	Mouse

Package
10 µg

APPLICATION

Application Note

IFN- γ is an important activator of macrophages, it promotes production of inducible Nitric Oxide Synthase (iNOS) in macrophages. After stimulated with IFN- γ , morphological changes will occur in murine macrophage cell line (Raw 246.7 cells), and inducible nitric-oxide synthase (iNOS) in the cells will increase. Raw 246.7 cells were incubated in DMEM with IFN- γ (2 ng/ml) for 24h, then cells were observed by inverted microscope.

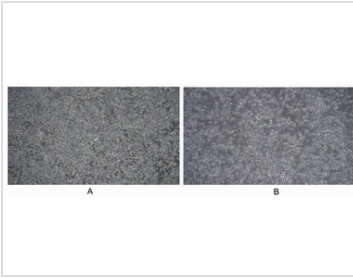
Observed MW 17 kDa.

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; His23~Cys155 (NP_032363.1)
Expression System	E. coli
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

GTX00283-pro Functional Assay Image

Activation effect of GTX00283-pro Mouse Interferon gamma protein (active).

(A) Unstimulated Raw 264.7 cells cultured in DMEM.

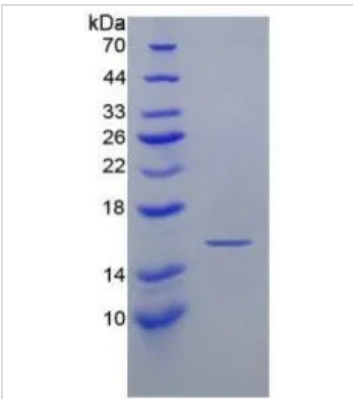
(B) Raw 264.7 cells cultured in DMEM, stimulated with IFN gamma.

ELISA detection of iNOS expression from RAW 246.7 cells stimulated by IFNg

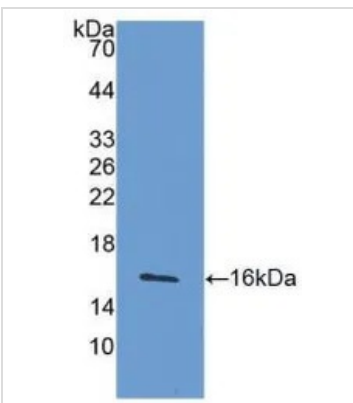
Sample (cell lysates of Raw 246.7 cells)	Concentration of iNOS (ng/ml)
Unstimulated	2.71
Stimulated with IFNg (2ng/ml)	16.25

GTX00283-pro Functional Assay Image

ELISA detection of iNOS protein expression from RAW 246.7 cells stimulated by GTX00283-pro Mouse Interferon gamma protein (active) at 2 ng/ml for 24hrs.


GTX00283-pro Image

SDS-PAGE analysis of GTX00283-pro Mouse Interferon gamma protein (active).


GTX00283-pro Image

WB analysis of GTX00283-pro Mouse Interferon gamma protein (active).



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