

# Mouse Interferon gamma protein, His tag (active)

**Cat. No. GTX00283-pro**

**Applications** Functional Assay

**Species** Mouse

**Package**

10 µg

## Applications

### Application Note

IFN- $\gamma$  is an important activator of macrophages, it promotes production of inducible Nitric Oxide Synthase (iNOS) in macrophages. After stimulated with IFN- $\gamma$ , 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- $\gamma$  (2 ng/ml) for 24h, then cells were observed by inverted microscope.

**Observed MW (kDa)** 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

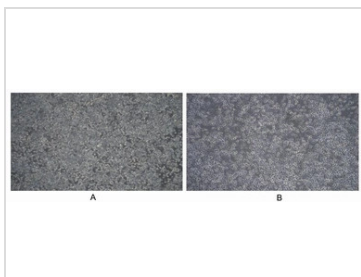
**Conjugation** Unconjugated

**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.

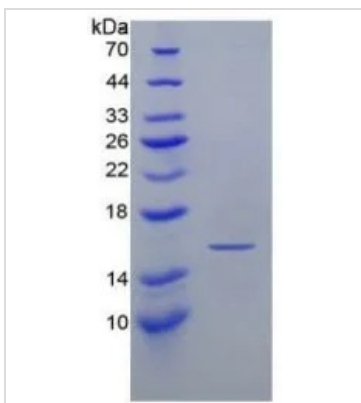
(B) Raw 264.7 cells cultured in DMEM, stimulated with IFN gamma.

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

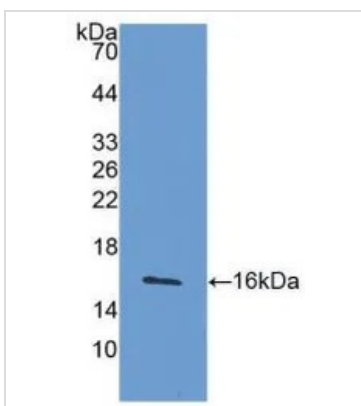
**GTX00283-pro Functional Assay Image**

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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