

Active Interferon Gamma (IFN γ) Instruction Manual

SBPA030Mu01

Mus musculus (Mouse)

Buffer Formulation

20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.

Traits

Freeze-dried powder

Purity

> 95%

Isoelectric Point

8.8

Applications

Cell culture; Activity Assays.

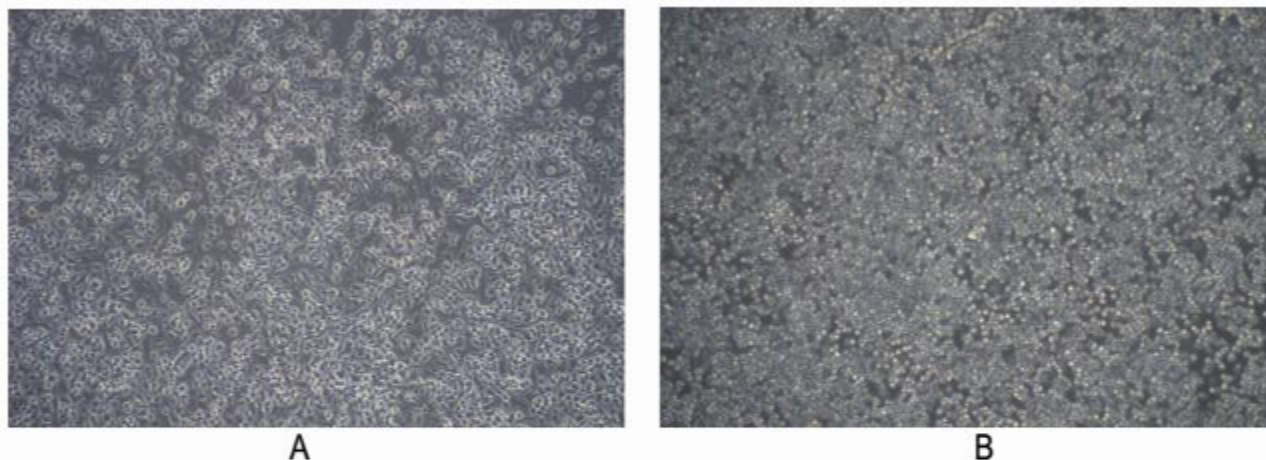
ACTIVITY TEST

Figure 1. Morphological change of Raw 246.7 cells after stimulation of IFN γ .

(A) Raw 246.7 cells cultured in DMEM, stimulated with IFN γ ;

(B) Unstimulated Raw 246.7 cells cultured in DMEM (negative control).

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 (2ng/mL) for 24h, then

cells were observed by inverted microscope and iNOS in cell lysates was detected by ELISA.

Table 1. 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)
Stimulated with IFNg (2ng/mL)	16.25
Unstimulated	2.71

USAGE

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

STORAGE

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

STABILITY

The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

Image

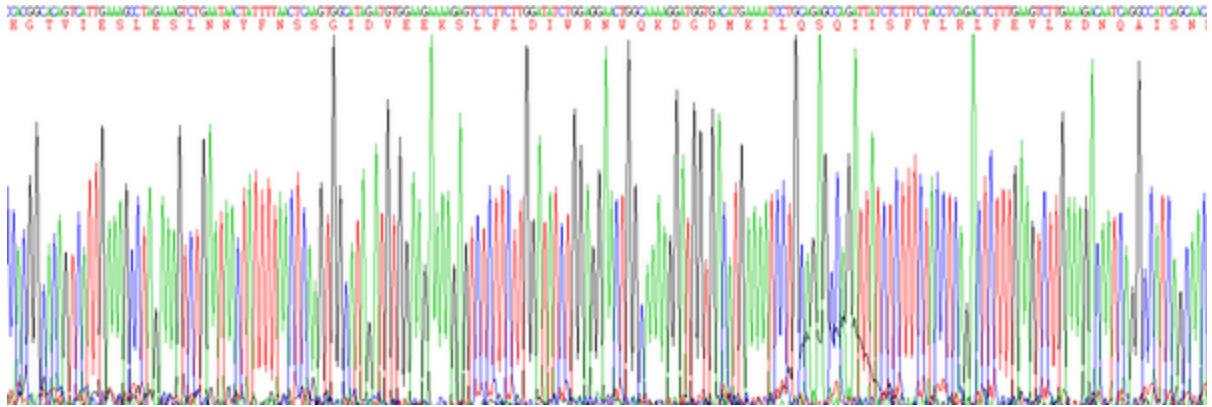
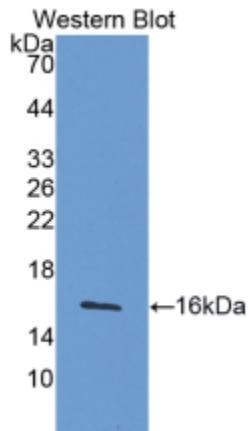


Figure. SDS-PAGE



Western Blot, Sample: APA049Mu01; Antibody: PAA049Mu01

[IMPORTANT NOTE]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.