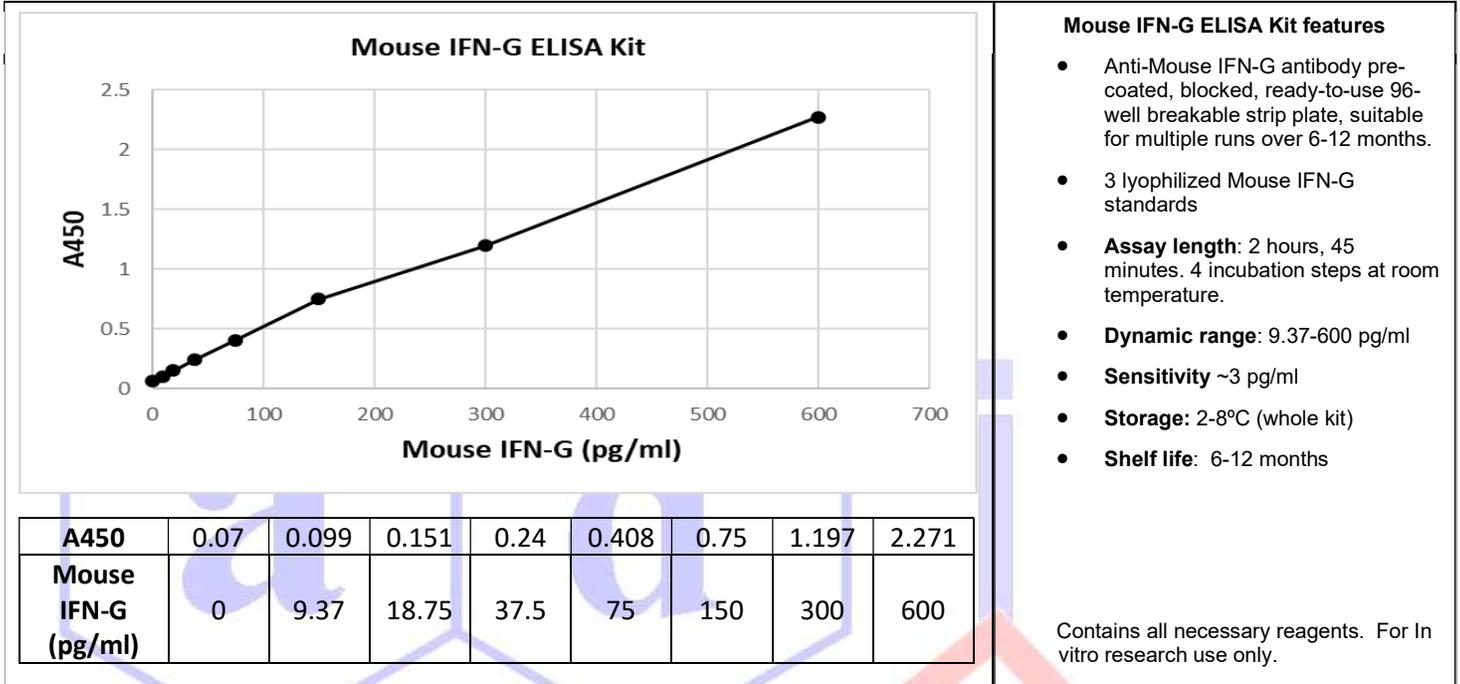


Mouse IFN-G ELISA Kit Cat# 100-280-IFG

The Mouse IFN-G ELISA Kit is a highly sensitive sandwich ELISA for the measurement of Mouse IFN-G in serum, plasma, culture supernatants, cell or tissue homogenates, and other appropriately qualified matrices.



Mouse IFN-G ELISA Kit features

- Anti-Mouse IFN-G antibody pre-coated, blocked, ready-to-use 96-well breakable strip plate, suitable for multiple runs over 6-12 months.
- 3 lyophilized Mouse IFN-G standards
- **Assay length:** 2 hours, 45 minutes. 4 incubation steps at room temperature.
- **Dynamic range:** 9.37-600 pg/ml
- **Sensitivity** ~3 pg/ml
- **Storage:** 2-8°C (whole kit)
- **Shelf life:** 6-12 months

Contains all necessary reagents. For In vitro research use only.

Assay Procedure: Allow all reagents to reach room temperature. Arrange and label required number of strips.

- Step 1.** Pipette 100 µl of appropriately diluted samples and calibrators into wells and incubate for 1 hour at room temperature.
- Step 2.** Wash the wells 3X with 300 µl of wash buffer per well
- Step 3.** Pipette 100 µl of biotin conjugated detection antibody to each well and incubate for 1 hour at room temperature
- Step 4.** Wash the wells 3X with 300 µl of wash buffer per well
- Step 5.** Pipette 100 µl of Streptavidin-HRP detection reagent to each well and incubate for 30 minutes at room temperature
- Step 6.** Wash the wells 3X with 300 µl of wash buffer per well
- Step 7.** Add 100 µl of TMB Substrate solution to all wells, mix gently, and incubate at room temperature for 15 minutes.
- Step 8.** Pipette 100 µl of stop solution into each well and mix gently. Measure at 450 nm w/ 630 nm as a reference filter if available.

Performance Characteristics

Sensitivity: ~3 pg/ml
Average recovery: 112.18%
Average linearity: 101.13%
Precision: Intra-assay: <10% Inter-assay: <10%

Minimum recommended dilutions:

Serum & Plasma: 2-fold
 Culture medium: 2-fold

Note: Minimum recommended dilution represents the dilution which is needed to eliminate matrix interference effects. All samples must be diluted to at least the minimum recommended ratio. Samples may be further diluted if the sample values fall within the standard curve, if sample volume is to be preserved, or if the sample value is above the highest OD on the standard curve

General Information

IFN-G is a dimeric cytokine that is a member of the type II class of interferons. IFN-G is a cytokine that is critical for innate and adaptive immunity against viral and bacterial infections. IFN-G is an important activator of macrophages and inducer of class II MHC expression. High IFN-G expression is associated with a number of autoimmune diseases. IFN-G is produced predominately by NK cells and by CD4 and CD8 T cells.