



# PBL InterferonSource

## MOUSE INTERFERON GAMMA (Mu-IFN- $\gamma$ ) ELISA KIT

Product Number: **42500-1**

Size: **single-plate kit**

*Contents:* One pre-coated microtiter plate and all reagents

*Storage Conditions:* Keep at 4°C for greatest stability.

*Range:* 25-1000 pg/ml for the high sensitivity protocol. 125-5000 pg/ml for the extended range protocol.

*Speed:* Incubation time, 3 hours 15 minutes.

*Specificity:* Mouse IFN- $\gamma$ .

*Specifications:* This kit quantitates mouse interferon gamma in media using a sandwich immunoassay.<sup>1,2</sup> The kit is based on an ELISA with streptavidin conjugated to horseradish peroxidase (HRP). Tetra-methylbenzidine (TMB) is the substrate.

The specific activity of the interferon used as the standard in the kit is based on the international standard for mouse interferon gamma (Mouse IFN- $\gamma$ ) provided by the National Institutes of Health.<sup>3</sup> A typical standard curve for each lot is included with the procedure. Please note that the concentrations of the detecting antibody and the HRP differ from lot to lot. The differences are the result of PBL calibrating each kit for optimal sensitivity.

*Quality Control:* Standard written procedures are followed in the preparation of all ELISA kits. Each group of ELISA kits is assigned a lot number. Sample kits from each lot are retained for periodic evaluation. Kits are guaranteed for six months from the date of production.

1. Staehelin, T., Stähli, C., Hobbs, D.S., and Pestka, S. [1981] "A Rapid Quantitative Assay of High Sensitivity for Human Leukocyte Interferon with Monoclonal Antibodies," in *Methods in Enzymology*, Vol. 79 [S. Pestka, ed.], Academic Press, New York, 589-595.
2. Kelder, B., Rashidbaigi, A., and Pestka, S. [1986] "A Sandwich Radioimmunoassay for Human IFN- $\alpha$ ," in *Methods in Enzymology*, Vol. 119 [S. Pestka, ed.], Academic Press, New York, 582-587.
3. Mouse IFN- $\gamma$  international reference standard provided by the NIH, reference no. Gg02-901-533. Pestka, S. [1986] "Interferon Standards and General Abbreviations," in *Methods in Enzymology*, Vol. 119 [S. Pestka, ed.], Academic Press, New York, 14-23.

**This Product Is For Research Use Only. Not For Use in Diagnostic Procedures.**

v.1.1

your total interferon source

131 Ethel Road West, Suite 6 • Piscataway, NJ 08854 USA • Telephone: 732.777.9123 • Facsimile: 732.777.9141  
Toll Free: 877.PBL.8881 • email: [info@interferonsource.com](mailto:info@interferonsource.com)