



PBL InterferonSource

HUMAN INTERFERON GAMMA (Hu-IFN- γ) ELISA KIT

Product Number: 41500-1

Size: single-plate kit

Product Information

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

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

Range: 12.5-500 pg/ml.

Speed: Incubation time, 3 hours 15 minutes.

Specificity: Human IFN- γ . No cross-reactivity with human IFN- α or human IFN- β . No cross-reactivity with mouse or rat IFN- α , IFN- β , or IFN- γ .

Specifications: This kit quantitates human interferon gamma in media using a sandwich immunoassay.^{1,2} 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 human interferon gamma (Hu-IFN- γ) provided by the National Institutes of Health.³ 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

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.

Kelder, B., Rashidbaigi, A., and Pestka, S. [1986] "A Sandwich Radioimmunoassay for Human IFN- α ," in *Methods in Enzymology*, Vol. 119 [S. Pestka, ed.], Academic Press, New York, 582-587.

Human IFN- γ international reference standard provided by the NIH, reference no. Gg23-901-530. Pestka, S. [1986] "Interferon Standards and General Abbreviations," in *Methods in Enzymology*, Vol. 119 [S. Pestka, ed.], Academic Press, New York, 14-23.

Authorization

Released by: _____ Date: September 19, 2005

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

v.1.1

your total interferon source

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