

90-2067: Human IFN-Gamma (Interferon Gamma) Pre-Coated ELISA Kit

Application : ELISA

Description

This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-human IFN- γ antibody was pre-coated into 96-well plates. Biotin conjugated anti-human IFN- γ detection antibody was used. Standards, test samples and biotin conjugated detection antibody were added to the wells subsequently. Wash buffer was used to wash any non-specific binding. HRP conjugated Streptavidin was used as secondary antibody. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human IFN- γ amount of samples captured in the plate. Optical Density (O.D) can be read at absorbance 450 nm in a microplate reader. Concentration of Human IFN- γ can be calculated using the standard curve.

Kit Components

| Item | Specifications | Storage |
|---|----------------|-------------|
| 96 well Strip ELISA Plate | 8 X 12 well | 4°C/-20°C |
| Lyophilized Standard | 2 vials | 4°C/-20°C |
| Sample and Standard Dilution Buffer | 20 ml | 4°C |
| Biotinylated Detection Antibody for hIFN γ | 120 μ l | 4°C/-20°C |
| Antibody Dilution Buffer | 10 ml | 4°C |
| HRP Conjugated Streptavidin (SABC) | 120 μ l | 4°C in dark |
| SABC Dilution Buffer | 10 ml | 4°C |
| TMB Substrate | 10 ml | 4°C in dark |
| Stop Solution | 10 ml | 4°C |
| 25X Wash Buffer | 30 ml | 4°C |
| Plate Sealer | 5 pieces | |
| Product Manual | 1 | |

Product Info

Amount : 1 X 96 Tests
Content : 1 X 96 well Format (96 tests)
Storage condition : Please refer to the Manual

Application Note

This immunoassay kit allows for the in vitro quantitative determination of Human IFN- γ concentrations in serum, plasma and other biological fluids.

Detection Range: 15.6 - 1000 pg/ml

Sensitivity: < 9.4 pg/ml

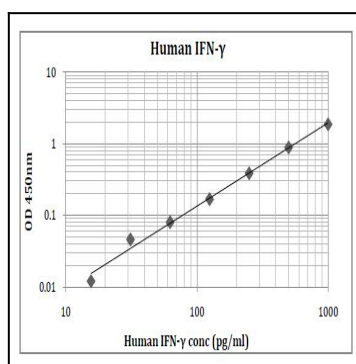


Fig-1: Human IFN- γ Standard Curve