# VeriKine-HS Human Interferon Alpha All Subtype ELISA Kit

This high sensitivity Human IFN Alpha ELISA kit is designed to provide accurate low pg/ml measurement of ALL human interferon alpha subtypes in autoimmune sera, normal serum, EDTA plasma, and tissue culture media (TCM).

**Citations:** 5 View Online »

## Ordering Information

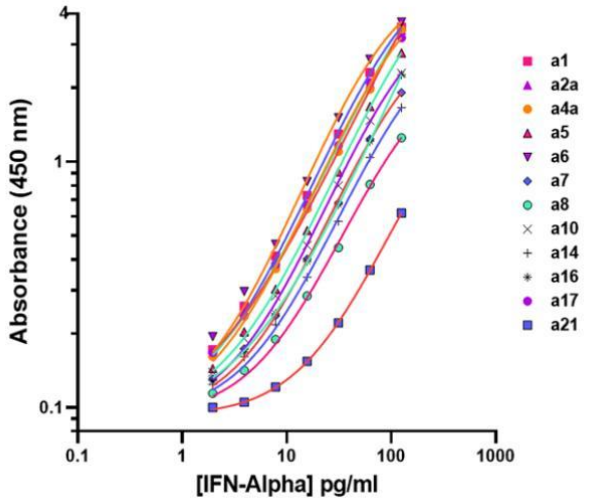
Order Online »

| | |
|---|---|
| **PBL-41115-1** | 96 wells |

## Manuals, SDS & CofA

View Online »

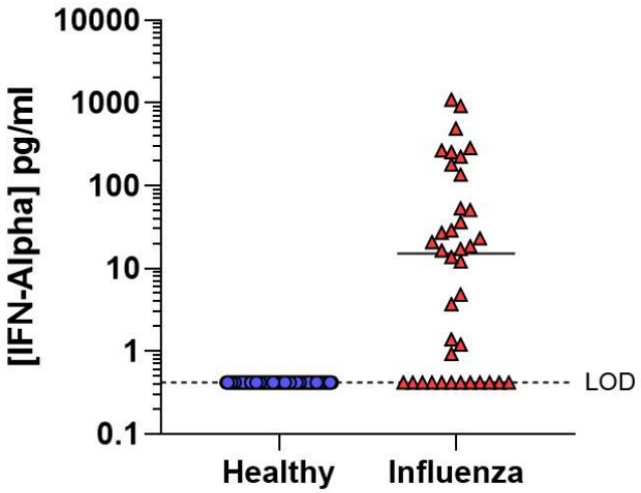
- Human IFN Alpha ELISA quantitates low level human interferon alpha in normal & autoimmune sera, EDTA plasma, and TCM with LLOQ 1.95 pg/ml
- Detects All 12 human IFN Alpha subtypes for accurate total IFN alpha measurement in samples
- Reproducible inter- (<10%) and intra-assay (< 8%) CVs in all tested matrices provide reliable data




Representative Human IFN-Alpha Subtype standard curves in Healthy Donor Serum (HDS)

| Subtype | LOD (pg/ml) | LOQ (pg/ml) |
|---|---|---|
| α1 (αD) | 0.09 | 0.343 |
| α2a (αA) | 0.056 | 0.214 |
| α4a (αM1) | 0.099 | 0.382 |
| α5 (αG) | 0.083 | 0.276 |
| α6 (αK) | 0.041 | 0.183 |
| α7 (αJ1) | 0.112 | 0.423 |
| α8 (αB2) | 0.284 | 0.993 |
| α10 (αC) | 0.108 | 0.447 |
| α14 (αH) | 0.168 | 0.585 |
| α16 (αWA) | 0.078 | 0.328 |
| α17 (αI) | 0.156 | 0.522 |
| α21 (αF) | 0.293 | 1.129 |

Representative Lower Limits of Quantification (LLOQ) and Lower Limits of Detection (LLOD) in Healthy Donor Serum for each human IFN-Alpha Subtype




IFN-Alpha level in Healthy and Influenza patient serum samples measured by PBL 41115-1 ELISA

## Handling & Storage

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|---|---|
| **Long Term Storage** | +4°C |
| **Shipping** | Blue Ice |

## Regulatory Status

RUO - Research Use Only

## Product Details

| | |
|---|---|
| **Alternative Name** | IFN-α, Interferon-α |
| **Application** | ELISA |
| **Application Notes** | Quantitative determination of Hu-IFN alpha A, 2, A/D, B2, C, D, G, H, I, J1, K, 1, 4b and WA in serum, plasma and tissue culture media |
| **Assay Time** | Incubation time: 22 hours, 30 minutes |
| **Contents** | Pre-coated microtiter plate(s), Plate Sealers, Wash Solution Concentrate, Human Interferon Alpha Standard (10,000 pg/ml), Sample Buffer, Standard Diluent, Antibody Concentrate, HRP Conjugate Concentrate, Antibody Diluent, HRP Diluent, TMB Substrate, Stop Solution |
| **Crossreactivity** | Cross-reacts with Cynomolgus/Rhesus IFN-α. No cross-reactivity against human IFN-β, IFN-γ, or IFN-ω; mouse or rat IFN-α, IFN-β or IFN-γ; or bovine IFN-τ. |
| **Sensitivity** | 1.95-125 pg/ml |
| **Species Reactivity** | Human |

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