Validation data for recombinant human IFN-γ

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Version 24L17-AK

Interferon-gamma (IFN-γ) plays a role in activating lymphocytes to enhance anti-microbial and anti-tumor effects. Its size and purity was assessed using SDS-PAGE **(Figure 1)**. The biological activity of IFN-γ is confirmed using HEK-Blue™ IFN-γ cells featuring a STAT1-inducible SEAP reporter **(Figure 2)**.

Human IFN-γ SDS-PAGE analysis

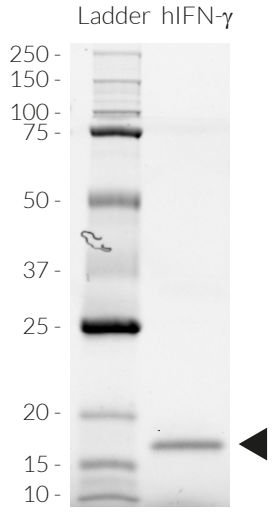

Figure 1. SDS-PAGE analysis of the recombinant human (h)IFN-γ. 1.5 µg of IFN-γ was loaded on a 12% Mini-PROTEAN® TGX Stain-Free™ Precast Gel (Bio-Rad). Detection was performed as per the manufacturer's instructions. A band was detected at ~17 kDa.

Cellular response to human IFN-γ

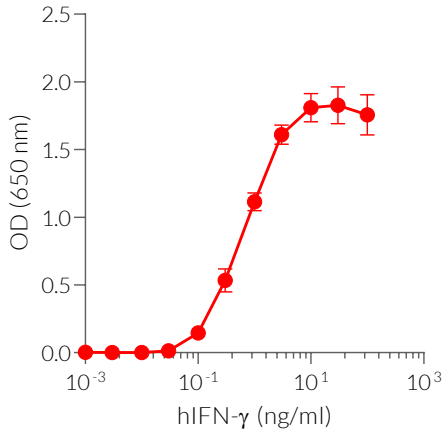

Figure 2. Dose-response of HEK-Blue™ IFN-γ cells to human recombinant IFN-γ. Cells were stimulated with increasing concentrations of recombinant human (h)IFN-γ. After overnight incubation, the STAT1-induced SEAP activity was determined using QUANTI-Blue™, a SEAP detection reagent. Data are shown as optical density (OD) at 650 nm (mean ± SEM).

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