

For Research Use Only

# anti-IFN $\gamma$ recombinant VHH, biotinylated



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Catalog Number: IFNg-b

## Basic Information

**Catalog Number:**  
IFNg-b

**Applications:**  
BLI, SPR, ELISA

**Host:**  
Alpaca

**Conjugate:**  
Biotin

**Type:**  
Nanobody

**Class:**  
Recombinant

**RRID:**  
AB\_3665388

**Molecular Weight:**  
14.4 kDa

## Description

IFNg-b is a recombinant mono-biotinylated anti IFNg Nanobody (VHH), suitable for ELISA, SPR, and BLI applications.

## Affinity

Picomolar range, below the assay limit (biolayer interferometry)

## Background

IFN gamma (IFNG) is a soluble cytokine that is the only member of the type II class of IFN. It is secreted by Th1 cells, cytotoxic T cells and NK cells. The cytokine is associated with antiviral, immunoregulatory and anti-tumor properties and is a potent activator of macrophages. It plays crucial roles in pathogen clearance. Aberrant IFNG expression is associated with a number of autoimmune and inflammatory diseases. It has been identified in many studies as a biomarker for pleural tuberculosis (TB).

## Storage

**Storage:**  
Store at -20°C

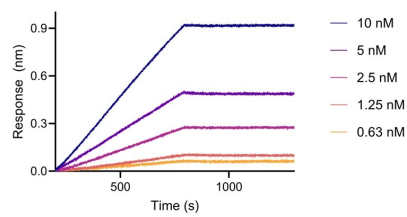
**Storage Buffer:**  
10 mM HEPES pH 7.0, 500 mM NaCl, 5 mM EDTA, 0.09% sodium azide

For technical support and original validation data for this product please contact

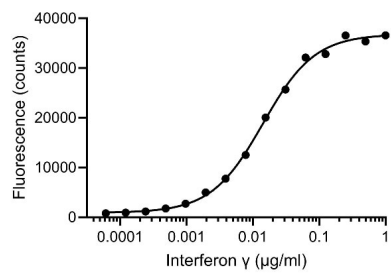
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
1(312) 455-8498 (outside USA) W: [www.ptglab.com](http://www.ptglab.com)

This product is exclusively available under  
Proteintech Group brand and is not available  
to purchase from any other manufacturer.

Selected Validation Data



BLI analysis of the capture of varying concentrations of HumanKine Interferon  $\gamma$  (HZ-1301) by biotinylated anti-INF $\gamma$  VHH (IFNgNHS).



ELISA analysis of the capture of varying concentrations of HumanKine Interferon  $\gamma$  (HZ-1301) by biotinylated anti-INF $\gamma$  VHH (IFNgNHS). Detection via rabbit polyclonal PTG 15365-1-AP.