

For Research Use Only

anti-IFN γ recombinant VHH, for 2x Cys conjugation



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Catalog Number: IFNgCys2

Basic Information

Catalog Number:
IFNgCys2

Applications:
Conjugation

Host:
Alpaca

Conjugate:
Unconjugated

Type:

Nanobody

Class:

Recombinant

RRID:

AB_3665383

Molecular Weight:

14.8 kDa

Description

IFNgCys2 is an unconjugated recombinant anti IFN γ Nanobody (VHH). Suitable for for dual cysteine conjugation with thiol-reactive reagents, e.g. maleimides. Note: unconjugated VHHs are not suited for usage without prior labeling, since they contain reactive Cysteines. Shipment and storage buffers contain TCEP to keep Cysteines reduced.

Affinity

Picomolar range, below the assay limit (biolayer interferometry)

Background

IFN gamma (IFN γ) 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 IFN γ expression is associated with a number of autoinflammatory and autoimmune diseases. It has been identified in many studies as a biomarker for pleural tuberculosis (TB).

Storage

Storage:

Store at -20°C

Storage Buffer:

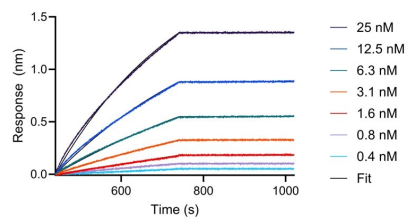
10 mM HEPES pH 7.0, 500 mM NaCl, 0.09% sodium azide

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
1(312) 455-8498 (outside USA) W: www.ptglab.com

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Selected Validation Data



BLI analysis of the interaction between varying concentrations of anti-IFNg VHH and immobilised, biotinylated HumanKine Interferon γ (HZ-1301). Fit indicates fitting of data to a 1:1 binding model.