

For Research Use Only

# anti-FGF-Basic recombinant VHH, biotinylated



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Catalog Number: bfgf-b

1 Publications

## Basic Information

**Catalog Number:**  
bfgf-b

**Applications:**  
BLI, SPR, ELISA

**Host:**  
Alpaca

**Conjugate:**  
Biotin

**Type:**

Nanobody

**Class:**

Recombinant

**RRID:**

AB\_3665409

**Molecular Weight:**

14.5 kDa

## Description

bfgf-b is a recombinant mono-biotinylated anti FGF-basic (FGF2) Nanobody (VHH), suitable for ELISA, SPR, and BLI applications.

## Affinity

4 nM

## Background

Basic Fibroblast growth factor (FGFbasic), also known as bFGF, FGF2, FGF- $\beta$  or HBGF-2, belongs to the FGF family. FGFbasic is involved in a number of biological processes including embryonic development and differentiation, neuron differentiation, survival, and regeneration, and the proliferation of cells of mesodermal origin and many cells of neuroectodermal, ectodermal, and endodermal origin (PMID 3272178, 3316527). FGFbasic is critical for human embryonic stem cells to remain in an undifferentiated state during cell culture (PMID 15782187).

## Storage

**Storage:**

Store at -20°C

**Storage Buffer:**

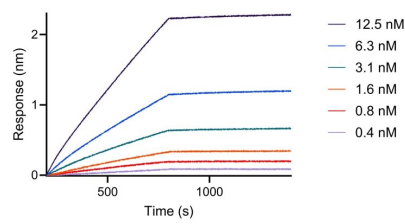
10 mM HEPES pH 7.0, 500 mM NaCl, 5 mM EDTA, 0.09% sodium azide

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

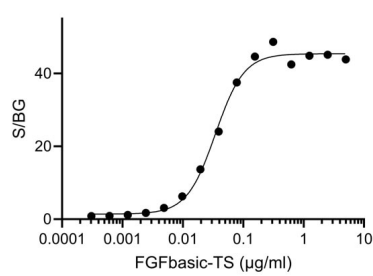
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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Selected Validation Data



BLI analysis of the capture of varying concentrations of HumanKine FGfbasic-TS (HZ-1285) by biotinylated anti-FGFbasic VHH (bfgf-b). Please note the higher apparent affinity owing to avidity effects (dimerization of the cytokine).



ELISA analysis of the capture of varying concentrations of HumanKine FGfbasic-TS (HZ-1285) by biotinylated anti-FGF-basic VHH (bfgf-b). Detection via mouse IgG1 PTG 69024-1-Ig.