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# anti-FGF-9 recombinant VHH, biotinylated

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Catalog Number: fgf9-b

## Basic Information

**Catalog Number:**
fgf9-b

**Applications:**
BLI, SPR, ELISA

**Host:**
Alpaca

**Conjugate:**
Biotin

**Type:**
Nanobody

**Class:**
Recombinant

**RRID:**
AB_3665411

**Molecular Weight:**
14.8 kDa

## Description

fgf9-b is a recombinant mono-biotinylated anti FGF9 Nanobody (VHH), suitable for ELISA, SPR, and BLI applications.

## Affinity

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## Background

FGF-9 is a 26 kdA, glycosylated protein that is a member of the FGF superfamily. It primarily binds with FGFR3 and plays prominent roles in the regulating embryonic, lung, and skeletal development. It is a key regulator of male sex determination through promoting the proliferation of pre-Sertoli cells. It signals in conjunction with FGF-10 and SHH to drive the development of the lung mesenchymal space. FGF-9 is also a positive regulator of chondrocyte proliferation and osteogenesis during the bone formation process. Overexpression of loss of FGF-9 during skeletal development often results in aberrant bone growth. (PMID: 28395336, 25772309, 16540513, 25435023).

## 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:**

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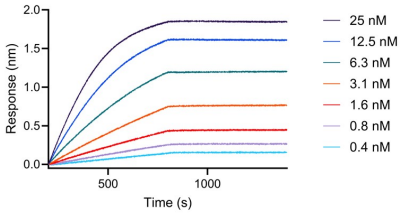
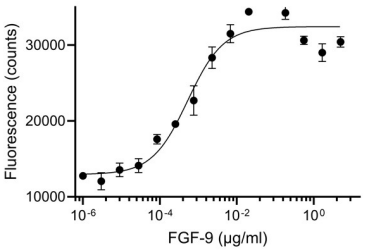
## Selected Validation Data




BLI analysis of the capture of varying concentrations of HumanKine FGF-9 (HZ-1329) by biotinylated anti-FGF-9 VHH (fgf9-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 FGF-9 (HZ-1329) by biotinylated anti-FGF-9 VHH (fgf9-b). Detection via rabbit polyclonal PTG 26554-1-AP.