

For Research Use Only

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 or 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:

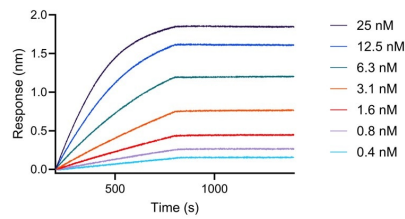
10 mM HEPES pH 7.0, 500 mM NaCl, 5 mM EDTA, 0.09% sodium azide

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

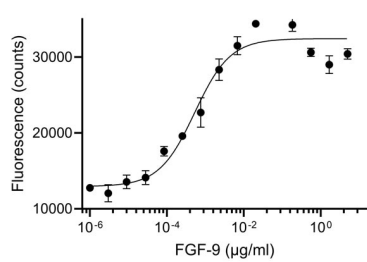
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or E: proteintech@ptglab.com
1(312) 455-8498 (outside USA) W: www.ptglab.com

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 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.