

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- β 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:

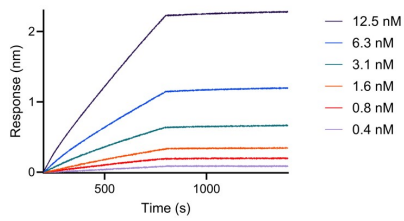
T: 4006900926

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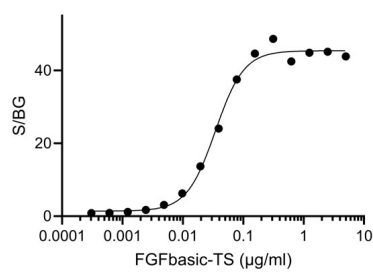
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Selected Validation Data



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-FGFbasic VHH (bfgf-b). Detection via mouse IgG1 PTG 69024-1-Ig.