

For Research Use Only

anti-FGF-Basic recombinant VHH, for 1x Cys conjugation



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Catalog Number: bfgfCys1

Basic Information

Catalog Number:
bfgfCys1

Applications:
Conjugation

Host:
Alpaca

Conjugate:
Unconjugated

Type:

Nanobody

Class:

Recombinant

RRID:

AB_3665410

Molecular Weight:

14.5 kDa

Description

bfgfCys1 is an unconjugated recombinant anti FGF-basic (FGF2) Nanobody (VHH). Suitable for for 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

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, 0.09% sodium azide

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

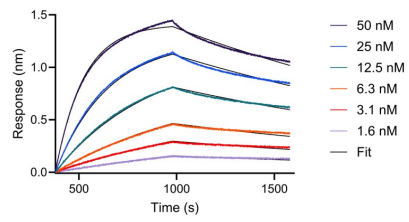
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Selected Validation Data



BLI analysis of the interaction between varying concentrations of anti-FGFbasic-TS VHH and immobilised, biotinylated HumanKine FGFbasic-TS (HZ-1285). Fit indicates fitting of data to a 1:1 binding model.