

For Research Use Only

anti-Cystatin-C recombinant VHH, biotinylated



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Catalog Number: **Cyc-b**

Basic Information

Catalog Number:

Cyc-b

Applications:

BLI, SPR, ELISA

Host:

Alpaca

Conjugate:

Biotin

Type:

Nanobody

Class:

Recombinant

RRID:

AB_3665407

Molecular Weight:

14.7 kDa

Description

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

Affinity

35 nM

Background

Cystatin C is a 13-kDa inhibitor of cysteine proteinases which is secreted by all cell types and is completely cleared from the organism through glomerular filtration, shown to be an early and sensitive biomarker of renal dysfunction. It is also used as an emerging biomarker in cardiovascular disease. Cystatin C is involved in a variety of inflammatory reactions. The concentration of serum cystatin C has also been shown to be unaltered in certain inflammatory conditions or other disorders of metabolism. The plasma level of serum cystatin C can be expressed as its level of generation from cells and diet and its subsequent elimination through the gut, liver, and kidneys.

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:

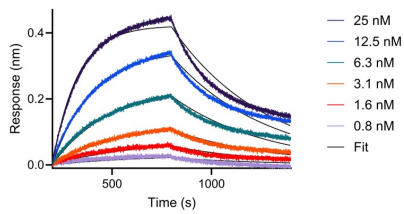
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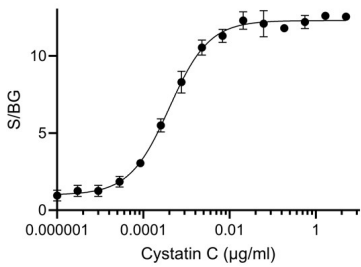
W: www.ptgcn.com

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Selected Validation Data



BLI analysis of the capture of varying concentrations of HumanKine Cystatin C (HZ-1211) by biotinylated anti-Cystatin C VHH (Cyc-b). Fit indicates fitting of data to a 1:1 binding model (as Cystatin-C is a monomer).



ELISA analysis of the capture of varying concentrations of HumanKine Cystatin C (HZ-1211) by biotinylated anti-Cystatin C VHH (Cyc-b). Detection via rabbit polyclonal PTG 12245-1-AP.