

For Research Use Only

anti-Cystatin-C recombinant VHH, for 1x Cys conjugation



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Catalog Number: CycCys1

Basic Information

Catalog Number:
CycCys1

Applications:
Conjugation

Host:
Alpaca

Conjugate:
Unconjugated

Type:
Nanobody

Class:
Recombinant

RRID:
AB_3665408

Molecular Weight:
14.7 kDa

Description

CycCys1 is an unconjugated recombinant anti Cystatin-C 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

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

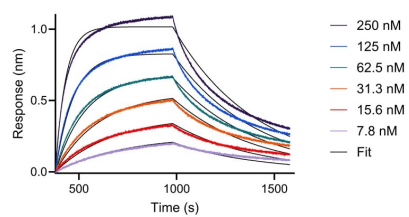
Storage Buffer:
10 mM HEPES pH 7.0, 500 mM NaCl, 0.09% sodium azide

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

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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 interaction between varying concentrations of anti-Cystatin-C VHH and immobilised, biotinylated HumanKine Cystatin-C (HZ-1211). Fit indicates fitting of data to a 1:1 binding model.