

For Research Use Only

anti-CD16 recombinant VHH, for 2x Cys conjugation



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Catalog Number: CD16Cys2

Basic Information

Catalog Number:
CD16Cys2

Applications:
Conjugation

Host:
Alpaca

Conjugate:
Unconjugated

Type:
Nanobody

Class:
Recombinant

RRID:
AB_3665401

Molecular Weight:
15.6 kDa

Description

CD16Cys2 is an unconjugated recombinant anti CD16 Nanobody (VHH). Suitable for for dual 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

2 nM for CD16A, 4 nM for CD16B

Background

CD16 is a 50-70-kDa low affinity Fc receptor found on the surface of natural killer cells, neutrophil polymorphonuclear leukocytes, monocytes and macrophages. CD16 mediates antibody-dependent cellular cytotoxicity (ADCC) and other antibody-dependent responses, such as phagocytosis. CD16 has been identified as Fc receptors FcγRIIIa (CD16a) and FcγRIIIb (CD16b), encoded by two nearly identical genes, FCGR3A and the FCGR3B.

Storage

Storage:
Store at -20°C

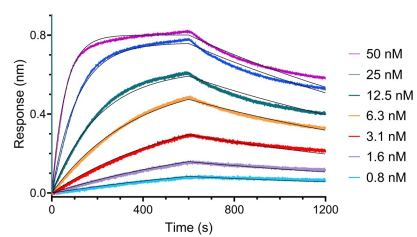
Storage Buffer:
10 mM HEPES pH 7.0, 500 mM NaCl, 0.09% sodium azide

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

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 interaction between varying concentrations of anti-CD16 VHH and immobilised, biotinylated CD16A. Fit indicates fitting of data to a 1:1 binding model. Binding curves are similar for CD16B.