

For Research Use Only

anti-CD33 recombinant VHH, for 2x Cys conjugation



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Catalog Number: MG-1230CC

Basic Information

Catalog Number:
MG-1230CC

Applications:
Conjugation

Host:
Alpaca

Conjugate:
Unconjugated

Type:
Nanobody

Class:
Recombinant

RRID:
/

Molecular Weight:
15.7 kDa

Description

The small size of VHHs (~15 kDa) enables access to epitopes that may be sterically inaccessible to full size IgGs. Their reduced steric hindrance also facilitates simultaneous staining of multiple targets, making them particularly useful for applications like Nano-Flow. MG-1230CC is an unconjugated recombinant anti-CD33 Nanobody (VHH). Suitable 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

270 nM

Background

CD33, also referred to as Siglec-3, is a 67-kDa glycosylated transmembrane protein of sialic acid-binding immunoglobulin-like lectin (siglec) family. CD33 is expressed on monocytes, myeloid progenitors, granulocytes, mast cells, some T cells. It may mediate cell-to-cell adhesion and act as a receptor that inhibits the proliferation of normal and leukemic myeloid cells.

Storage

Storage:
Store at -20°C

Storage Buffer:
10 mM HEPES pH 7.0, 500 mM NaCl, 0.09% sodium azide, 1mM TCEP

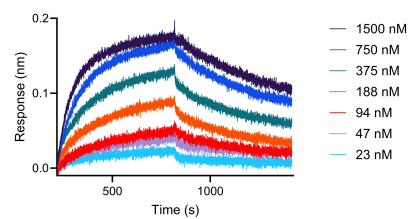
For technical support and original validation data for this product please contact:

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Selected Validation Data



Affinity Data
BLI analysis of the interaction between varying concentrations of anti-CD33 recombinant VHH (MG-1230CC, Clone: CTK0243) and immobilized, biotinylated CD33 protein.