

For Research Use Only

anti-OSM recombinant VHH, for 1x Cys conjugation



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Catalog Number: **osmCys1**

Basic Information

Catalog Number:
osmCys1

Applications:
Conjugation

Host:
Alpaca

Conjugate:
Unconjugated

Type:
Nanobody

Class:
Recombinant

RRID:
AB_3665414

Molecular Weight:
13.9 kDa

Description

osmCys1 is an unconjugated recombinant anti OSM 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

120 nM

Background

Oncostatin M (OSM) is a member of a cytokine family that includes a leukemia-inhibitory factor, granulocyte colony-stimulating factor, and interleukin 6. OSM is a growth regulator which inhibits the proliferation of some tumor cell lines. It can stimulate proliferation of AIDS-KS cells. It regulates cytokine production, including IL-6, G-CSF, and GM-CSF from endothelial cells. OSM is involved in the maturation of fetal hepatocytes, thereby promoting liver development and regeneration (PMID: 9133674; 29526757; 29363180; 21887386).

Storage

Storage:
Store at -20°C

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

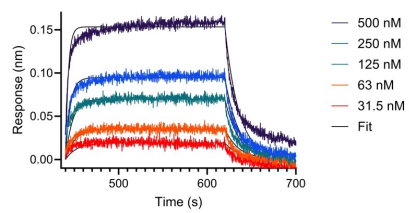
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Selected Validation Data



BLI analysis of the interaction between varying concentrations of anti-OSM VHH and immobilised, biotinylated HumanKine OSM (HZ-1030). Fit indicates fitting of data to a 1:1 binding model.