

For Research Use Only

anti-OSM recombinant VHH, biotinylated



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Catalog Number: **osm-b**

Basic Information

Catalog Number:

osm-b

Applications:

BLI, SPR, ELISA

Host:

Alpaca

Conjugate:

Biotin

Type:

Nanobody

Class:

Recombinant

RRID:

AB_3665413

Molecular Weight:

13.9 kDa

Description

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

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:

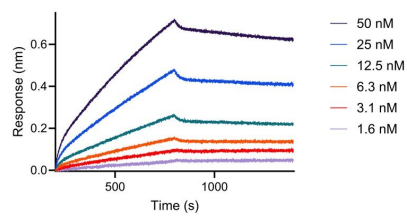
10 mM HEPES pH 7.0, 500 mM NaCl, 5 mM EDTA, 0.09% sodium azide

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

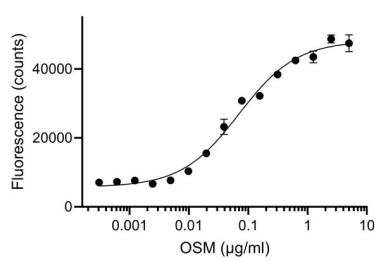
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or E: proteintech@ptglab.com
1(312) 455-8498 (outside USA) W: www.ptglab.com

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 capture of varying concentrations of HumanKine OSM (HZ-1030) by biotinylated anti-OSM VHH (osm-b). Please note the higher apparent affinity owing to avidity effects (dimerization of the cytokine).



ELISA analysis of the capture of varying concentrations of HumanKine OSM (HZ-1030) by biotinylated anti-OSM (osm-b). Detection via rabbit polyclonal PTG 27792-1-AP.