For Research Use Only

SARS-CoV-2 Spike Recombinant VHH [NM1267]

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Catalog Number: sc-NM1267

Basic Information

Catalog Number:
sc-NM1267

Clone No.:
NM1267 (NM1230-NM1226 fusion) [Wagner et al. EMBO Rep. 2021 May 5;22(5):e52325. PMID: 33904225]

Applications:
BLI, Multiplex ACE2 competition assay

Host:
Alpaca, recombinantly produced

Conjugate:
Unconjugated

Type:
Nanobody / VHH, biparatopic

Class:
Recombinant

RRID:
AB_2892257

Purification Method:
Recombinant expression, affinity purification by IMAC.
Note: SARS-CoV-2 Spike Recombinant VHH carries a C-terminal His-tag.

Description

Recombinant bivalent Nanobody against the Receptor-binding domain (RBD) of SARS- CoV-2 Spike protein

Affinity (K_D)

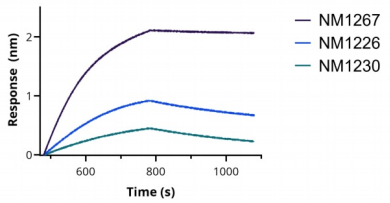
NM1230: 9.5 nM
NM1226: 7.0 nM

Storage

Storage:
Aliquot upon receipt and store at -20°C/-4°F. Avoid freeze-thaw cycles.

Storage Buffer:
PBS, 0.09% sodium azide
Safety datasheet (SDS): sodium azide

Selected Validation Data



BLI binding kinetics of SARS-CoV-2 Spike Recombinant VHH [NM1267] to RBD. Biotinylated RBD was immobilized on FortéBio Streptavidin (SA) Biosensors and assayed with 25 nM of SARS- CoV-2 Spike Recombinant VHH [NM1267] (ChromoTek sc-NM1267). For comparison the binding kinetics of 25 nM SARS-CoV-2 Spike Recombinant VHH [NM1226] (ChromoTek sc- NM1226) and SARS-CoV-2 Spike Recombinant VHH [NM1230] (ChromoTek sc-NM1230) are shown.