

For Research Use Only

Nano-Secondary® anti-mouse IgG1, recombinant VHH, CoraLite® Plus 647 [CTK0103, CTK0104]



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Catalog Number: smsG1CL647-1

1 Publications

Basic Information

Catalog Number:

smsG1CL647-1

Applications:

IF, WB

Host:

Alpaca-derived, recombinantly produced in bacteria

Conjugate:

CoraLite® Plus 647

Type:

Nanobody

Class:

Recombinant

RRID:

AB_2941312

Purification Method:

Recombinant expression, affinity purification
IMAC

Description

Nano-Secondary® anti-mouse IgG1, Fc-specific recombinant VHH is an anti-mouse IgG subclass specific antibody. This secondary antibody product consists of Nanobodies that bind to mouse IgG1 with high affinity & specificity.

Species Reactivity

Mouse IgG1 Fc-fragment

No cross-reactivity: goat, guinea pig, rabbit, rat, sheep, human, macaque serum proteins, mouse IgG2a, IgG2b, IgG2c, IgG3, IgM

Physical State

Liquid

Suggested Dilution

Immunofluorescence 1:500

Western blot 1: 500

Affinity

CTK0103: KD = 0.13 nM, CTK0104: KD = 0.63 nM

Storage

Storage:

Shipped at ambient temperature. Store at +4°C short term or -20°C long term. Stable for 1 year at -20°C.

Storage Buffer:

10 mM HEPES pH 7.0, 500 mM NaCl, 5 mM EDTA, Preservative: 0.09 % Sodium azide

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

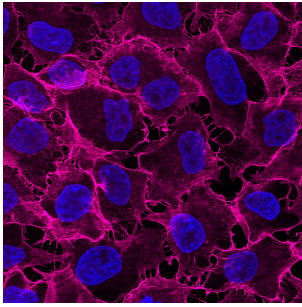
T: 4006900926

E: Proteintech-CN@ptglab.com

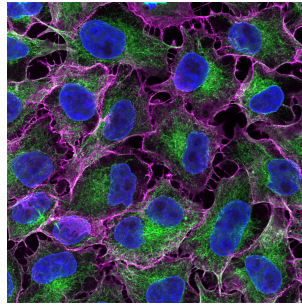
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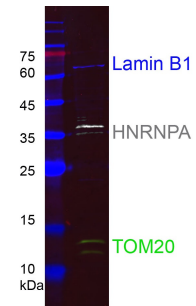
Selected Validation Data



Immunofluorescence analysis of HeLa cells stained with mouse IgG1 anti-CD147 antibody and Nano-Secondary® alpaca anti-mouse IgG1, recombinant VHH, CoraLite® Plus 647 (smsG1CL647-1, magenta). Nuclei were stained with DAPI (blue). Images were recorded at the Core Facility Bioimaging at the Biomedical Center, LMU Munich.



Immunofluorescence analysis of HeLa cells co-stained with mouse IgG2b anti-tubulin beta antibody and mouse IgG1 anti-CD147 antibody followed by Nano-Secondary® alpaca anti-mouse IgG2b, recombinant VHH, CoraLite® Plus 488 (smsG2bCL488-1, green) and Nano-Secondary® alpaca anti-mouse IgG1, recombinant VHH, CoraLite® Plus 647 (smsG1CL647-1, magenta). Nuclei were stained with DAPI (blue). Images were recorded at the Core Facility Bioimaging at the Biomedical Center, LMU Munich.



HEK-293 cell lysates were subjected to SDS-PAGE followed by multiplex western blot analysis with 3 mouse primary antibodies including anti-Lamin B1 (66095-1-Ig), anti-HNRNPA (67445-1-Ig), and anti-Tom20 (66777-1-Ig). Primary antibodies were detected using 3 mouse IgG subclass-specific nano-secondary reagents including Nano-Secondary® alpaca anti-mouse IgG1, recombinant VHH, CoraLite® Plus 647 (smsG1CL647-1, blue), Nano-Secondary® alpaca anti-mouse IgG2a, recombinant VHH, CoraLite® Plus 750 (smsG2aCL750-1, white), and Nano-Secondary® alpaca anti-mouse IgG2b, recombinant VHH, CoraLite® Plus 488 (smsG2bCL488-1, green).