

For Research Use Only

Nano-Secondary® anti-mouse IgG1, recombinant VHH, CoraLite® Plus 488 [CTK0103, CTK0104]

Catalog Number: smsG1CL488-1

1 Publications



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Basic Information

Catalog Number:

smsG1CL488-1

Applications:

IF, WB

Host:

Alpaca-derived, recombinantly produced in bacteria

Conjugate:

CoraLite® Plus 488

Type:

Nanobody

Class:

Recombinant

RRID:

AB_2941310

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 (K_D)

CTK0103: $K_D = 0.13$ nM, CTK0104: $K_D = 0.63$ 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:

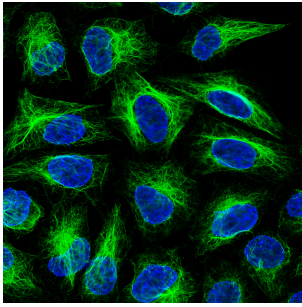
T: 4006900926

E: Proteintech-CN@ptglab.com

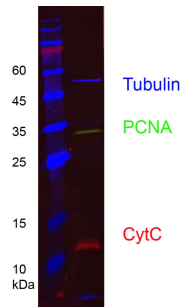
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Selected Validation Data



Immunofluorescence analysis of HeLa cells stained with mouse IgG1 anti-vimentin antibody and Nano-Secondary® alpaca anti-mouse IgG1, recombinant VHH, CoraLite® Plus 488 (smsG1CL488-1, green). 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-PCNA (60097-1-Ig), anti-cytochrome C (66264-1-Ig), and anti-alpha tubulin (66031-1-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 488 (smsG1CL488-1, green), Nano-Secondary® alpaca anti-mouse IgG2a, recombinant VHH, CoraLite® Plus 555 (smsG2aCL555-1, red), and Nano-Secondary® alpaca anti-mouse IgG2b, recombinant VHH, CoraLite® Plus 647 (smsG2bCL647-1, blue).