

For Research Use Only

Nano-Secondary® anti-mouse IgG2b, recombinant VHH, CoraLite® Plus 647 [CTK0105, CTK0106]

Catalog Number: smsG2bCL647-1



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Basic Information

Catalog Number:

smsG2bCL647-1

Applications:

IF, WB

Host:

Alpaca-derived, recombinantly produced in bacteria

Conjugate:

CoraLite® Plus 647

Type:

Secondary Nanobody

Class:

Recombinant

RRID:

AB_2941316

Purification Method:

Recombinant expression, affinity purification IMAC

Description

Nano-Secondary® anti-mouse IgG2b, Fc-specific recombinant VHH is an anti-mouse IgG subclass specific antibody. This secondary antibody product consists of Nanobodies that bind to mouse IgG2b with high affinity & specificity.

Species Reactivity

Mouse IgG2b Fc-fragment

No cross-reactivity: goat, guinea pig, rabbit, rat, sheep, human, macaque serum proteins, mouse IgG1, IgG2a, IgG2c, IgG3, IgM

Physical State

Liquid

Suggested Dilution

Immunofluorescence 1: 500 - 1:1,000

Western blot 1: 500 - 1:1,000

Affinity (K_D)

CTK0105: K_D = 5 nM, CTK0106: K_D = 0.2 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:

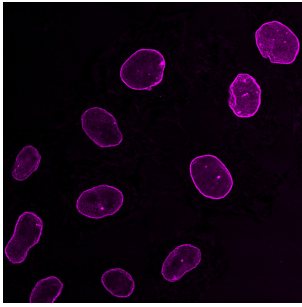
10 mM HEPES pH 7.0, 500 mM NaCl, 5 mM EDTA, Preservative: 0.09 % Sodium azide

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

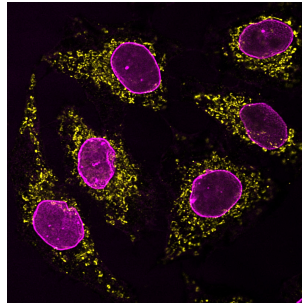
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or E: proteintech@ptglab.com
1(312) 455-8498 (outside USA) W: www.ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

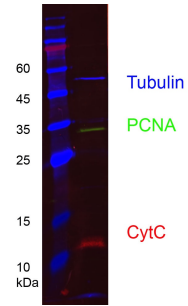
Selected Validation Data



Immunofluorescence analysis of HeLa cells stained with mouse IgG2b anti-Lamin A/C antibody and Nano-Secondary® alpaca anti-mouse IgG2b, recombinant VHH, CoraLite® Plus 647 (smsG2bCL647-1, magenta). Images were recorded at the Core Facility Bioimaging at the Biomedical Center, LMU Munich.



Immunofluorescence analysis of HeLa cells co-stained with mouse IgG1 anti-HSP60 antibody (66041-1-Ig) and mouse IgG2b anti-Lamin A/C antibody followed by Nano-Secondary® alpaca anti-mouse IgG1, recombinant VHH, CoraLite® Plus 555 (smsG1CL555-1, yellow) and Nano-Secondary® alpaca anti-mouse IgG2b, recombinant VHH, CoraLite® Plus 647 (smsG2bCL647-1, magenta). 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).