

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:

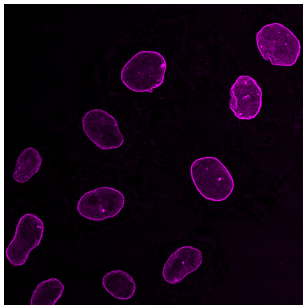
T: 4006900926

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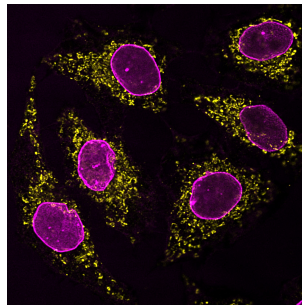
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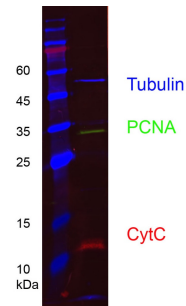
Selected Validation Data



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).