

For Research Use Only

Nano-Secondary® anti-mouse IgG2b, recombinant VHH, CoraLite® Plus 750 [CTK0105, CTK0106]

Catalog Number: smsG2bCL750-1



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Basic Information

Catalog Number:

smsG2bCL750-1

Applications:

IF, WB

Host:

Alpaca-derived, recombinantly produced in bacteria

Conjugate:

CoraLite® Plus 750

Type:

Secondary Nanobody

Class:

Recombinant

RRID:

AB_2941317

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:

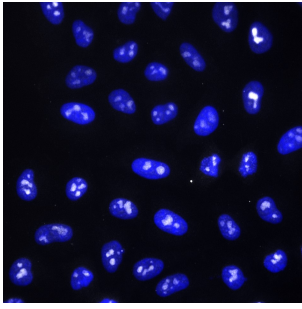
T: 4006900926

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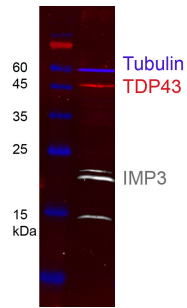
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Selected Validation Data



Immunofluorescence analysis of HeLa cells stained with mouse IgG2b anti-IMP3 antibody (66247-1-Ig) and Nano-Secondary® alpaca anti-mouse IgG2b, recombinant VHH, CoraLite® Plus 750 (smsG1CL750-1, gray). Nuclei were stained with DAPI (blue).



HEK-293 cell lysates were subjected to SDS-PAGE followed by multiplex western blot analysis with 3 mouse primary antibodies including anti-TDP43 (60019-1-Ig), anti-tubulin (66240-1-Ig), and anti-IMP3 (66247-1-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 555 (smsG1CL555-1, red), Nano-Secondary® alpaca anti-mouse IgG2a, recombinant VHH, CoraLite® Plus 647 (smsG2aCL647-1, blue), and Nano-Secondary® alpaca anti-mouse IgG2b, recombinant VHH, CoraLite® Plus 750 (smsG2bCL750-1, gray).