

mNeonGreen recombinant antibody, VHH-mouse IgG1 Fc fusion [CTK0203]

Product code: nfms



Properties

Description	Mouse monoclonal antibody to mNeonGreen. Recombinant fusion of anti-mNeonGreen Nanobody (VHH) [CTK0203] and mouse IgG1 Fc domain.
Target / Specificity	mNeonGreen fluorescent protein
Species Specificity	Recombinant protein from <i>Branchiostoma lanceolatum</i>
GenBank Accession Number	KC295282
GeneID (NCBI)	N/a
Product Type	Primary antibody; chimeric fusion of Nanobody (VHH) and mouse IgG1 Fc domain
Format	Recombinant monoclonal mouse antibody
Source	Mouse, recombinantly produced
Isotype / Subclass	Mouse IgG1 (CH2 and CH3 domain of mouse IgG1)
Clonality	Monoclonal
Clone	CTK0203
RRID	AB_2889368
Immunogen	Purified recombinant mNeonGreen [<i>Branchiostoma lanceolatum</i>]
Conjugate	Unconjugated
Purification Method	Recombinantly expressed and purified by IMAC. <i>Note: Recombinant VHH-Fc fusion antibody carries a His-tag.</i>
Form	Buffered aqueous solution
Concentration	1000 µg/mL
Calculated MW	79.3 kDa
Tested Applications	IF
Positive Control	IF: HeLa cells transfected with Lamin-Chromobody®-mNeonGreen
Cited Applications	
Recommended Dilutions	IF/ICC: 1:400 - 1:2,000
Storage Buffer	PBS, 10% glycerol Preservative: 0.02 % sodium azide, safety datasheet (SDS): sodium azide
Storage Conditions	Aliquot upon receipt and store at -20°C/-4°F. Avoid freeze-thaw cycles.
Stability	Stable for 1 year at -20°C/-4°F after shipment.
Shipment	Shipped on ice

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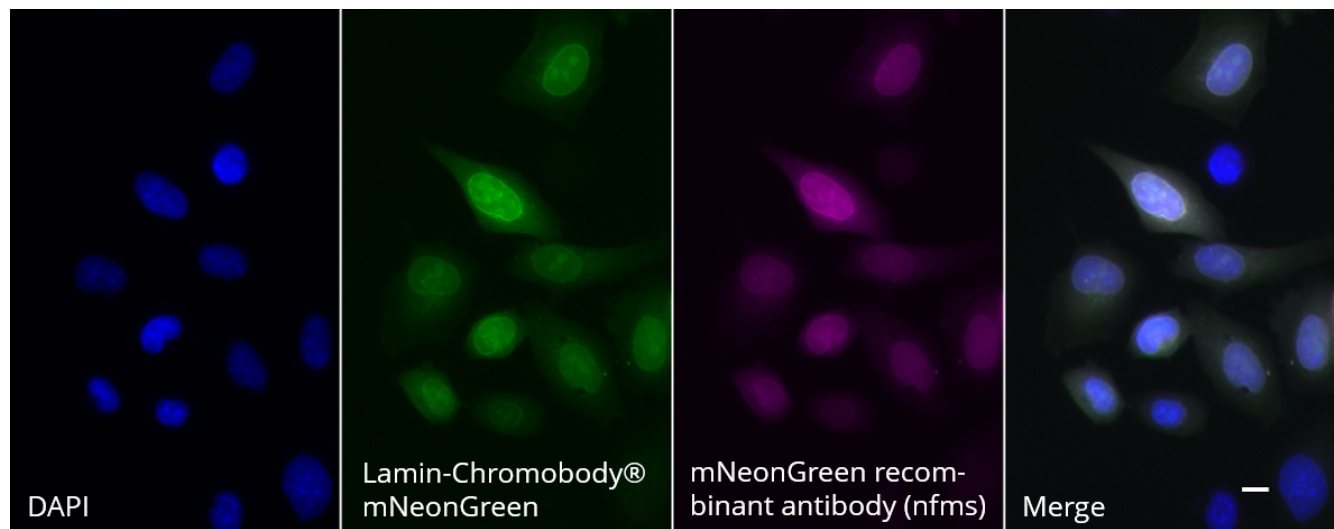
Size	20 µL; 100 µL
Synonyms	VHH, Nanobody, alpaca single domain antibody, binding domain of single domain antibody, Nano-antibody

Selected validation data

Immunofluorescence

Spin down material before use!

Dilute the antibody 1:400 - 1:2,000 in blocking buffer (e.g. PBS supplemented with 4% BSA) and incubate for 1 h at room temperature.



HeLa cells transiently expressing Lamin-Chromobody®-mNeonGreen were immunostained with mNeonGreen recombinant antibody, VHH-mouse IgG1 Fc fusion [CTK0203] (nfms-20, 1:500) and Nano-Secondary® alpaca anti-mouse IgG1, recombinant VHH, Alexa Fluor® 647 [CTK0103, CTK0104] (sms1AF647-1, 1:500). Scale bar, 10 µM.

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Product overview and related products

mNeonGreen toolbox	Product code
mNeonGreen-Trap Agarose	nta-10; -20; -100
mNeonGreen-Trap Agarose Kit	ntak-20
mNeonGreen-Trap Magnetic Agarose	ntma-10; -20; -100
mNeonGreen-Trap Magnetic Agarose Kit	ntmak-20
iST mNeonGreen-Trap Kit (for IP/MS)	ntak-iST-8
Binding Control Agarose	bab-20
Binding Control Magnetic Agarose	bmab-20
Spin columns	sct-10; sct-20; sct-50
mNeonGreen VHH, recombinant binding protein	nt-250
mNeonGreen antibody [32F6] (mouse monoclonal)	32f6-20; -100
mNeonGreen recombinant antibody, VHH-mouse IgG1 Fc fusion [CTK0203]	nfms-20; -100
mNeonGreen recombinant antibody, VHH-rabbit IgG Fc fusion [CTK0203]	nfrb-20; -100
Nano-Secondary [®] alpaca anti-mouse IgG1, recombinant VHH, Alexa Fluor [®] 488 [CTK0103, CTK0104]	sms1AF488-1-10; -100
Nano-Secondary [®] alpaca anti-mouse IgG1, recombinant VHH, Alexa Fluor [®] 568 [CTK0103, CTK0104]	sms1AF568-1-10; -100
Nano-Secondary [®] alpaca anti-mouse IgG1, recombinant VHH, Alexa Fluor [®] 647 [CTK0103, CTK0104]	sms1AF647-1-10; -100
Nano-Secondary [®] alpaca anti-human IgG/anti-rabbit IgG, recombinant VHH, Alexa Fluor [®] 488 [CTK0101, CTK0102]	srbAF488-1-10; -100
Nano-Secondary [®] alpaca anti-human IgG/anti-rabbit IgG, recombinant VHH, Alexa Fluor [®] 568 [CTK0101, CTK0102]	srbAF568-1-10; -100
Nano-Secondary [®] alpaca anti-human IgG/anti-rabbit IgG, recombinant VHH, Alexa Fluor [®] 647 [CTK0101, CTK0102]	srbAF647-1-10; -100

For product details, information, and ordering visit www.chromotek.com and www.ptglab.com.

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Disclaimer

Only for research applications, not for diagnostic or therapeutic use!

The VHH-Fc fusion recombinant antibodies have been developed in collaboration with Absolute Antibody Ltd.

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