GFP recombinant antibody, VHH-mouse IgG1 Fc fusion [CTK0201]

Product code: gfms

Properties

Description	Mouse monoclonal antibody to GFP. Recombinant fusion of anti-GFP Nanobody (VHH) [CTK0201] and mouse IgG1 Fc domain.
Target / Specificity	Green fluorescent protein (GFP) and derivates therof such as Citrine, CFP, EGFP, EYFP, TagGFP, Venus, YFP
Species Specificity	Recombinant protein from *Aequorea victoria*
GenBank Accession Number	U17997
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	CTK0201
RRID	AB_2889366
Immunogen	Purified recombinant GFP [*Aequorea victoria*]
Conjugate	Unconjugated
Purification Method	Recombinantly expressed and purified by IMAC. *Note: Recombinant VHH-Fc fusion antibody carries a His-tag.*
Form	Buffered aqueous solution
Concentration	1000 µg/mL
Calculated MW	78.9 kDa
Tested Applications	IF
Positive Controls	IF: HeLa cells transfected with Mannosidase II-EGFP
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.

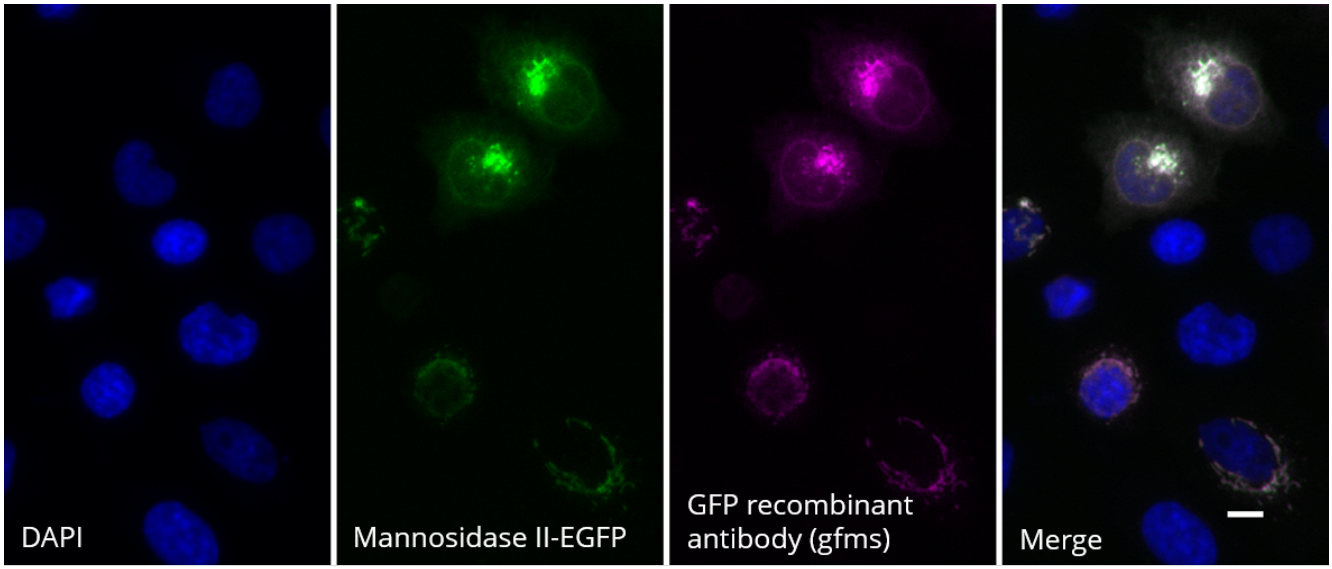
Shipment	Shipped on ice
Size	20 µL; 100 µL
Synonyms	VHH, Nanobody, alpaca single domain antibody, binding domain of single domain antibody, Nano-antibody

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 Mannosidase II-EGFP were immunostained with GFP recombinant antibody, VHH-mouse IgG1 Fc fusion [CTK0201] (gfms, 1:2,000) and Nano-Secondary® alpaca anti-mouse IgG1, recombinant VHH, Alexa Fluor® 647 [CTK0103, CTK0104] (sms1AF647-1, 1:500). Scale bar, 10 µM.

Product overview and related products

GFP toolbox	Product code
GFP-Trap® Agarose	gta-10; -20; -100
GFP-Trap® Agarose Kit	gtak-20
GFP-Trap® Magnetic Agarose	gtma-10; -20; -100
GFP-Trap® Magnetic Agarose Kit	gtmak-20
GFP-Trap® Dynabeads™	gtd-10; -20; -100
GFP-Trap® Dynabeads™ Kit	gtdk-20
iST GFP-Trap® Kit (for IP/MS)	gtak-iST-8
GFP-Trap® Multiwell Plate	gtp-96
Binding Control Agarose	bab-20
Binding Control Magnetic Agarose	bmab-20
Spin columns	sct-10; sct-20; sct-50
GFP VHH, recombinant binding protein	gt-250
GFP VHH, biotinylated recombinant binding protein	gtb-250
EGFP, recombinant purified protein	EGFP-250
GFP antibody [3H9] (rat monoclonal)	3h9-20; -100
GFP antibody rabbit polyclonal [PABG1]	PABG1-20; -100
GFP recombinant antibody, VHH-mouse IgG1 Fc fusion [CTK0201]	gfms-20; -100
GFP recombinant antibody, VHH-rabbit IgG Fc fusion [CTK0201]	gfrb-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

GFP-Booster Alexa Fluor® 488	gb2AF488-10; -50
GFP-Booster Alexa Fluor® 568	gb2AF568-10; -50
GFP-Booster Alexa Fluor® 647	gb2AF647-10; -50
GFP-Booster ATTO488	gba488-10; -100
GFP-Booster ATTO594	gba594-10; -100
GFP-Booster ATTO647N	gba647n-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.