

Spot-tag® antibody [28A5]

Product code: 28a5

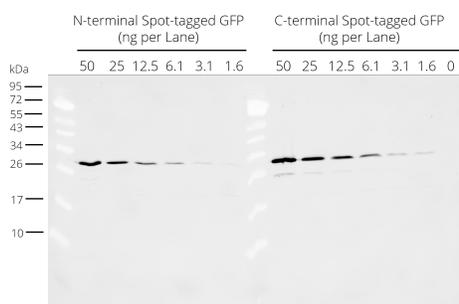
Properties

Description	Mouse monoclonal antibody to Spot-tag®.
Target / Specificity	Spot-tag® (PDRVRAVSHWSS)
Species Specificity	N/a
GenBank Accession Number	N/a
GeneID (NCBI)	N/a
Product Type	Primary antibody
Format	Monoclonal mouse antibody
Source	Mouse
Isotype / Subclass	Mouse IgG1
Clonality	Monoclonal
Clone	28a5
RRID	AB_2892245
Immunogen	Spot-tagged fusion protein
Conjugate	Unconjugated
Purification Method	Protein A purification
Form	Liquid
Concentration	1000 µg/mL
Tested Applications	WB, ELISA, IF (ICC)
Positive Controls	WB: Spot-tagged GFP (N- or C-terminal) added to HEK-293T cells
Cited Applications	
Recommended Dilutions	WB: 1:1,000 - 1:5,000 ELISA: 1:5,000 - 1:10,000 IF (ICC): 1:200 - 1:1,000
Storage Buffer	PBS, 50% glycerol, preservative: 0.09 % 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

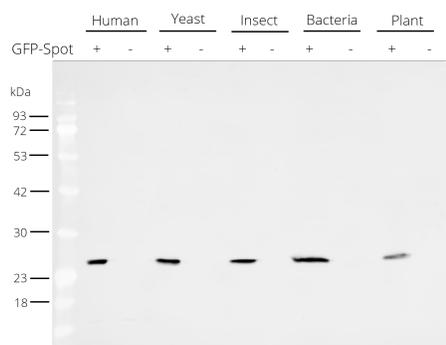
Selected validation data

Western Blot

- Blocking: 5% skimmed milk in PBS-T (PBS + 0.075% Tween-20) for 10-30 min at +4°C/+40°F or room temperature
- Washing: PBS-T
- Incubation: dilution of Spot-tag® antibody [28A5] 1:1,000 - 1:5,000 in 5% milk in PBS-T, 1h at room temperature or overnight at +4°C/+40°F
- *Note:* The optimal dilution depends on the application and should be determined by the user. A titration from range from 1:1,000 up to 1:5,000 is recommended.
- *Note:* Image acquisition time may have to be optimized.



Western blot analysis of N- and C-terminal Spot-tagged GFP added to HEK-293T cell lysate. Detection with Spot-tag® antibody [28A5] (28a5, ChromoTek) 1:5,000 and Nano-Secondary® alpaca anti-mouse IgG1, recombinant VHH, Alexa Fluor® 488 [CTK0103, CTK0104] (sms1AF488-1, ChromoTek) 1:5,000. Western blot membrane was incubated simultaneously with the primary antibody and Nano-Secondary® (one-step staining).



Western blot analysis of different cell lysates +/- 50 ng C-terminal Spot-tagged GFP: human (HEK-293T), yeast (*S.cerevisiae*), insect (High Five™), bacteria (*E.coli*), and plant (*A.thaliana*). Detection with Spot-tag® antibody [28A5] (28a5, ChromoTek) 1:5,000 and Nano-Secondary® alpaca anti-mouse IgG1, recombinant VHH, Alexa Fluor® 488 [CTK0103, CTK0104] (sms1AF488-1, ChromoTek) 1:5,000. Western blot membrane was incubated simultaneously with the primary antibody and Nano-Secondary® (one-step staining).

Product overview and related products

Spot-tag® toolbox	Product code
Spot-Trap® Agarose	eta-10; -20; -100
Spot-Trap® Agarose Kit	etak-20
Spot-Trap® Magnetic Agarose	etma-10; -20; -100
Spot-Trap® Magnetic Agarose Kit	etmak-20
Spot-Trap® Magnetic Particles M-270	etd-10; -20; -100
Spot-Trap® Magnetic Particles M-270 Kit	etdk-20
iST Spot-Trap® Kit for IP/MS	etak-iST-8
Binding Control Agarose	bab-20
Binding Control Magnetic Agarose	bmab-20
Spin columns	sct-10; sct-20; sct-50
Spot-tag® antibody [28a5]	28a5-20; -100
Spot-Label® Alexa Fluor® 488	ebAF488-10; -50
Spot-Label® Alexa Fluor® 568	ebAF568-10; -50
Spot-Label® Alexa Fluor® 647	ebAF647-10; -50
Spot-Label® ATTO488	eba488-10; -50
Spot-Label® ATTO594	eba594-10; -50
Spot VHH, recombinant binding protein (bivalent)	etb-250
Spot-Cap®	eca-2
Spot-peptide	ep-1; -10
Spot-Cap® and peptide	eca-ep
Spot Vectors for cloning: pSpot1 vector, E. coli, Spot-tag N-term., Kan., high expression pSpot2 vector, E. coli, Spot-tag C-term., Kan., high expression pSpot3 vector, E. coli, Spot-tag C-term., Amp., low expression pSpot4 vector, E. coli, Spot-tag N-term., Amp., low expression pSpot5 vector, S. cerevisiae, Spot-tag N-term., Leu, CEN, low expression pSpot6 vector, S. cerevisiae, Spot-tag C-term., Leu, CEN, low expression pSpot7 vector, S. cerevisiae, Spot-tag N-term., Leu, 2μ, high expression pSpot8 vector, S. cerevisiae, Spot-tag C-term., Leu, 2μ, high expression	ev-1 ev-2 ev-3 ev-4 ev-5 ev-6 ev-7 ev-8
Spot Vectors - positive controls: pSpot-Tag-Actin vector (plasmid) for expression in mammalian cells pSpot2_GFPSpot-Tag vector (plasmid) for expression in E. coli pSpot8_GFP-Spot-Tag vector (plasmid) for expression in S. cerevisiae	ev-31 ev-32 ev-33

Spot-tag® antibody [28A5]

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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]	sms1AF657-1-10; -100

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

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Disclaimer

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