

GFP-Trap® for Immunoprecipitation

Effective pulldown of GFP-fusion proteins for consistent results

- ▶ No heavy & light antibody chains, short incubation (5-30 min)
- ▶ Extraordinary binding, also under harsh conditions
- ▶ Very high affinity ($K_D=1$ pM) to bind even low abundant proteins
- ▶ Reliable gold standard with more than 1400 publications

GFP-Trap

The ChromoTek GFP-Trap is the gold standard for fast, reliable and effective one-step immunoprecipitation of GFP-fusion proteins and their interacting factors from cell extracts or organelles.

Applications

- Immunoprecipitation (IP) / Co-IP
- Mass spectrometry (MS)
- Enzyme activity measurements
- ChIP, RIP, iCLIP analysis

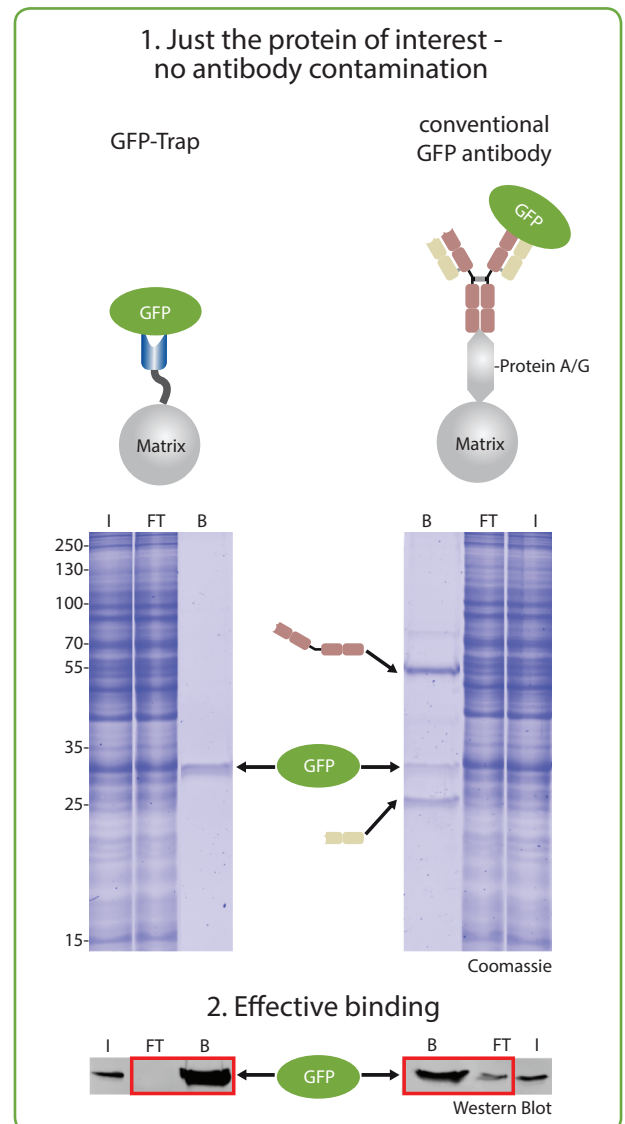
Extraordinary stable & reliable binding

- Dissociation constant K_D of 1 pM
- Stable up to 80°C, 1 mM DTT, 4 M Guanidinium-HCl, 8 M Urea, 2 M NaCl, 2% Nonidet P40 Substitute, 1% SDS, 1% Triton TM X-100, 30% Glycerol, 0.2 mM TCEP
- Fulfills highest requirements for antibody validation
- Structure and function are characterized

Recognized GFP derivatives

- AcGFP, Clover, eGFP, Emerald, GFP, GFP5, GFP Envy, GFP S65T, mGFP, mPhluorin, PA-GFP, Superfolder GFP, TagGFP, TagGFP2, monomeric eGFP K206A
- CFP
- YFP, Citrine, eCitrine, eYFP, Venus, Ypet
- BFP

GFP-Trap® is a registered trademark of ChromoTek GmbH.



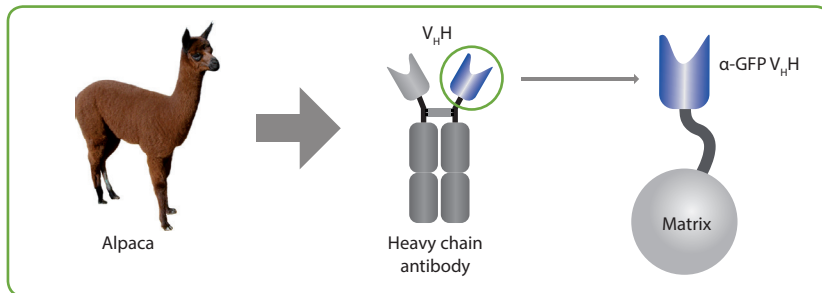
Cleanest pulldowns - short incubations – consistent results

Matrices

We offer the GFP-Trap coupled to agarose beads and magnetic agarose beads, or uncoupled as purified protein.

Technology

Camelidae, e.g. alpacas, possess a type of antibody called heavy chain antibody. These are devoid of light chains and bind their antigen via a single variable domain (V_HH), also known as a nanobody. These V_HH domains have excellent binding properties and can be recombinantly expressed at constant high quality without batch-to-batch variation.

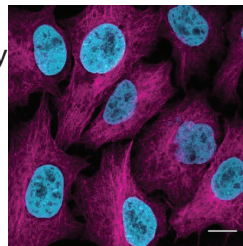


GFP-Trap: anti-GFP V_HH coupled to matrix for immediate use

anti-GFP antibody for immunofluorescence & Western blotting

► Highly sensitive rabbit polyclonal antibody [PABG1]

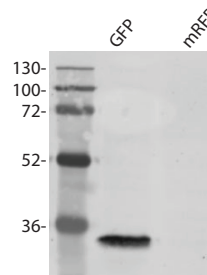
The antibody PABG1 is validated for immunofluorescence and Western blotting. The antibody recognizes green fluorescent proteins such as wtGFP, eGFP, tagGFP, YFP, CFP, or pHluorin. PABG1 can be detected with ChromoTek's alpaca anti-rabbit IgG Nano-Secondaries.



HeLa cells all stained with PABG1 + Srb AF647-1

► Highly specific rat monoclonal antibody [3H9]

The anti-GFP antibody [3H9] is validated for Western blotting. The antibody recognizes fluorescent proteins such as eGFP, wtGFP, YFP, or CFP and has been independently validated by the Moores Cancer Center, UC San Diego.



HEK293T cell extract expressing GFP or RFP

Products (for research only)

Product name	Size	Code
	10 rxns (250µl resin)	gta-10
	20 rxns (500µl resin)	gta-20
GFP-Trap Agarose		
► coupled to agarose beads	100 rxns (2.5ml resin)	gta-100
	200 rxns (5ml resin)	gta-200
	400 rxns (10ml resin)	gta-400
GFP-Trap Agarose Kit		
► GFP-Trap Agarose	20 rxns (500µl resin)	gtak-20
► incl. lysis, wash and elution buffers		
	10 rxns (250µl resin)	gtma-10
	20 rxns (500µl resin)	gtma-20
GFP-Trap Magnetic Agarose		
► coupled to magnetic agarose beads	100 rxns (2.5ml resin)	gtma-100
	200 rxns (5ml resin)	gtma-200
	400 rxns (10ml resin)	gtma-400
GFP-Trap Magnetic Agarose Kit		
► GFP-Trap Magnetic Agarose	20 rxns (500µl resin)	gtmak-20
► incl. lysis, wash and elution buffers		
iST GFP-TrapKit for IP/MS	8 rxns (plus 2 controls)	gtak-iST-8
GFP VHH, recombinant binding protein	250µL	gt-250
GFP VHH, biotinylated recombinant binding protein	250µL	gtb-250
	10 units	sct-10
	20 units	sct-20
	50 units	sct-50
Spin columns		
Binding control Agarose	20 rxns (500µl resin)	bab-20
Binding control Magnetic Agarose	20 rxns (500µl resin)	bmab-20
GFP antibody [PABG1]	20 µl	pabg1-20
► rabbit polyclonal	100 µl	pabg1-100
GFP antibody [3H9]	20µl	3h9-20
► rat monoclonal	100µl	3h9-100

Order information

USA:

<https://shop.chromotek.com>

USAorders@chromotek.com

fax 631.501.1060

All other countries:

<https://shop.chromotek.com>

order@chromotek.com

fax +49. 89.124.148.811

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ChromoTek GmbH, Germany

Am Klopferspitz 19

D-82152 Planegg-Martinsried

Phone: +49. 89. 124.148. 80 Fax: +49. 89. 124.148. 811

ChromoTek Inc., USA

62-64 Enter Lane

Islandia, NY 11749

Phone: 631. 501. 1058 Fax: 631. 501. 1060