

Myc-Trap® for Immunoprecipitation

Efficient and fast pulldown of Myc-tagged proteins

- ▶ No heavy & light antibody chains in downstream applications
- ▶ One step immunoprecipitation
- ▶ Easy elution of native proteins
- ▶ Short incubation time of about 30 minutes

Applications

The ChromoTek Myc-Trap® is ideal for fast, reliable and efficient one-step immunoprecipitation of Myc-tagged proteins and their interacting factors from cell extracts or organelles. The Myc-Trap® comprises an antibody fragment coupled to agarose beads.

The tag derived from the human c-myc oncogene is a common polypeptide tag for recombinant protein expression. The ChromoTek Myc-Trap® can be used for a multitude of biochemical analyses such as:

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

The Myc-Trap® recognizes the Myc-tag sequence EQKLISEEDL at the N-terminus, C-terminus, or internal site of the fusion proteins.

For research applications only.

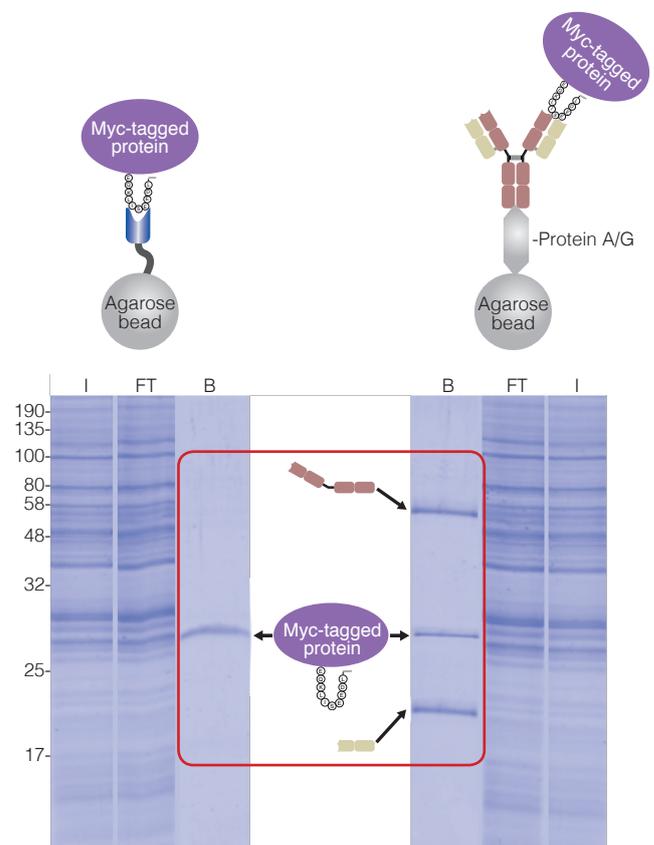
- ▶ **Cleanest pulldown results for immunoprecipitation of Myc-tagged proteins**

Immunoprecipitation of Myc-fusion proteins

Myc-Trap® Technology

vs.

Immobilized conventional Myc antibody



No antibody contaminations using Myc-Trap®: Just the protein of interest

Immunoprecipitations of Myc-tagged GFP from human cells expressing Myc-tagged GFP. Input (I), non-bound (FT) and bound (B) fractions were separated by SDS-PAGE followed by Coomassie staining.

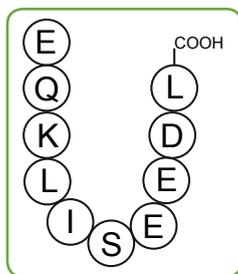
Technology

Classical antibodies have a large and complex structure—two heavy and two light chains. This limits their applications and makes batch-to-batch variations in production likely. Nano-Traps are high affinity particles for immunoprecipitation. They need just one single polypeptide chain to capture their antigen. Therefore no heavy and light antibody chains contaminate downstream applications. ChromoTek's proprietary bacterial expression guarantees consistent high quality.

Myc-Peptide

► Easy elution of bound Myc-tagged fusion proteins

The Myc-peptide may be used to elute native and functional Myc-tagged fusion proteins bound to Myc-Trap[®] or anti-Myc antibodies. Amino acid sequence: EQKLISEEDL.

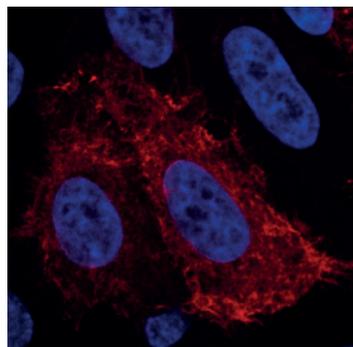


Myc-Peptide

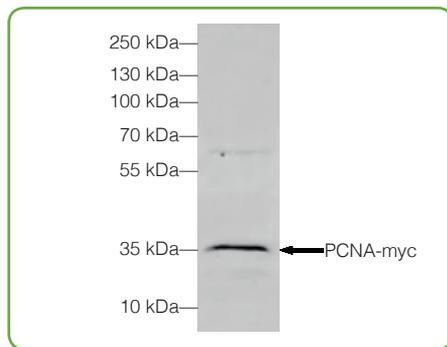
Myc-tag antibody [9E1]

- Very specific rat monoclonal antibody
- Detects low abundant proteins in immunoblots
- Applicable in Western Blot, immunofluorescence, ELISA and immunoprecipitation

The highly specific Myc-tag antibody for Western Blot, immunofluorescence, ELISA and immunoprecipitation recognizes the Myc-tag at the N-terminus, C-terminus or internal site of the fusion protein.



Immunofluorescence of HeLa cells transiently expressing MAG-myc.



Western Blot analysis of cell extract from HEK293T cells expressing Myc-tagged PCNA.

Order information

Product name	Size	Code
Myc-Trap [®] A ► coupled to agarose beads	10 rxns (250µl resin)	yta-10
	20 rxns (500µl resin)	yta-20
	100 rxns (2.5ml resin)	yta-100
	200 rxns (5ml resin)	yta-200
Myc-Trap [®] A Kit ► Myc-Trap [®] A ► incl. lysis, wash and elution buffers	400 rxns (10ml resin)	yta-400
	20 rxns (500µl resin)	ytak-20
Myc Peptide	1mg	yp-1
	10 units	sct-10
	20 units	sct-20
Spin columns	50 units	sct-50
	500µl (20 rxns)	bab-20
Binding control ► agarose beads		
Myc-tag antibody [9E1] ► rat monoclonal	100µl	9E1

Order online – Save shipping costs!

Order online: www.chromotek.com/webshop

by email: order@chromotek.com

by fax: +49 89 78 79 73 11 or 631 501 1060 (USA)

More Nano-Traps:

- GFP, RFP, GST
- p53 (C- & N-term), Mdm4/HdmX, MK2, Dnmt1, β-Catenin, PARP

ChromoTek GmbH, Germany

Am Klopferspitz 19

D-82152 Planegg-Martinsried

Phone: +49. 89. 78 79 73 10 Fax: +49. 89. 78 79 73 11

ChromoTek Inc., USA

400 Oser Ave Ste 1650

Hauppauge, NY 11788

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