For Research Use Only.
Not for use in diagnostic procedures.

Smart-IP Series

Anti-Myc-tag mAb-Magnetic Beads

CODE No.	M047-11
CLONALITY	Monoclonal
CLONE	PL14
ISOTYPE	Mouse IgG1
QUANTITY	20 tests (Slurry: 1 mL)
SOURCE	Purified IgG from mouse ascites fluid
IMMUNOGEN	6myc-tagged fusion protein
FORMULATION	15 mg magnetic beads in 1 mL PBS/0.1% BSA/0.1% ProClin 150
STORAGE	This beads suspension is stable for one year from the date of purchase when stored at 4°C.

APPLICATION-CONFIRMED

Immunoprecipitation 50 µL of beads slurry/sample

*The purification capacity of Anti-Myc-tag mAb-Magnetic Beads varies depending upon the characteristics of a Myc-tagged protein. For example, 50 µL of beads slurry bounds 1.5 µg of a Myc-tagged protein (35 kDa).

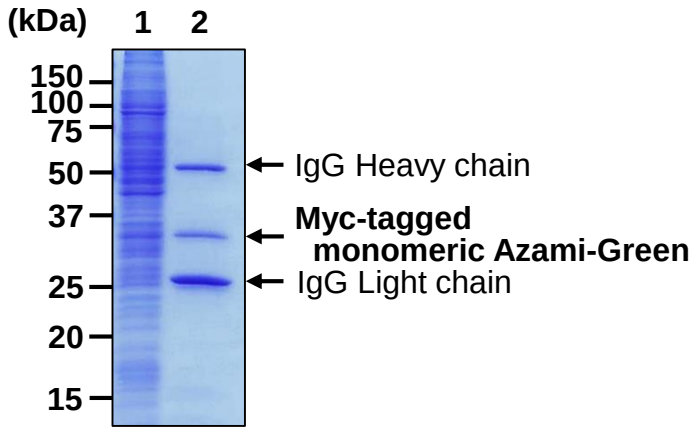
REFERENCE

1) Jain, P., *et al.*, *Oncogene* **36**, 6348-6358 (2017) [Co-IP]

For more information, please visit our web site **https://ruo.mbl.co.jp/**.

Immunoprecipitation

1) Wash 1 x 10^7 cells 3 times with PBS and suspend with 1 mL of cold Lysis buffer [50 mM Tris-HCl (pH 7.5), 150 mM NaCl, 1% NP-40] containing appropriate protease inhibitors.
2) Centrifuge the tube at 12,000 x g for 5 min. at 4°C and transfer the supernatant to another tube.
3) Add magnetic beads as suggested in the **APPLICATION** and purified Myc-tagged protein into 300 μL of the supernatant prepared in step 2). Mix well and incubate with gentle agitation for 1 hr. at 4°C.
4) Place the tube on the magnetic rack (MBL, code no. 3190) for a few seconds.
5) Remove the supernatant.
6) Wash the beads 4 times with 1 mL of cold Wash buffer [50 mM Tris-HCl (pH 7.5), 150 mM NaCl, 0.05% NP-40] (place the tube on the magnetic rack for a few seconds).
7) Resuspend the magnetic beads in 20 μL of Laemmli's sample buffer, boil for 2 min., and place the tube on the magnetic rack for a few seconds.
8) Load 20 μL of the sample per lane in a 1-mm-thick SDS-polyacrylamide gel and carry out electrophoresis.
9) Visualize the protein bands by CBB staining.



Immunoprecipitation of Myc-tagged protein

Sample: 293T cell lysate from 3x10^6 cells + Myc-tagged monomeric Azami-Green 10 μg
Lane 1: Input (5 μL/lane)
Lane 2: Post-IP beads of Anti-Myc-tag mAb (MBL, code no. M047-11)