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

My select sampler set

Smart-IP Series

Anti-His-tag mAb-Magnetic Beads

CODE No.	D291-11MS
CLONALITY	Monoclonal
CLONE	OGHis
ISOTYPE	Mouse IgG2a κ
QUANTITY	4 tests (Slurry: 200 µL)
SOURCE	Purified IgG from hybridoma supernatant
IMMUNOGEN	6xHis-tagged protein
REACTIVITY	This antibody reacts with N-terminal, Internal and C-terminal His-tagged proteins.
FORMULATION	10 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-His-tag mAb-Magnetic Beads varies depending upon the characteristics of a His-tagged protein. For example, 50 µL of beads slurry bounds 5.2 µg of a His-tagged protein (35 kDa).

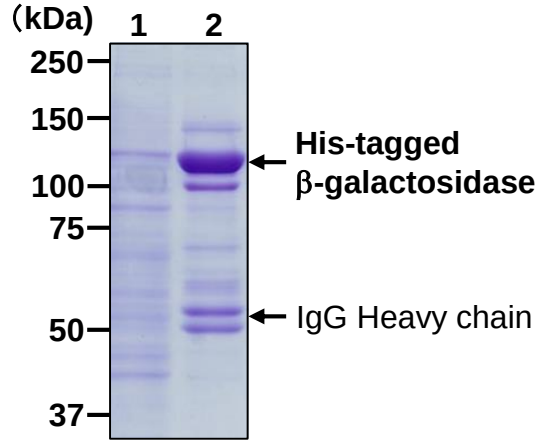
REFERENCE

1) Ogawa, M., *et al.*, *Molecules* **23**, E1745 (2018) [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** 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) Add 1 mL of cold Wash buffer [50 mM Tris-HCl (pH 7.5), 150 mM NaCl, 0.05% NP-40] and resuspend the magnetic beads.
7) Place the tube on the magnetic rack for a few seconds.
8) Remove the supernatant.
9) Repeat Steps 6)-8) 3 times.
10) Resuspend the magnetic beads in 20 μL of Laemmli's sample buffer, boil for 5 min., and place the tube on the magnetic rack for a few seconds.
11) Load 20 μL of the sample per lane in a 1-mm-thick SDS-polyacrylamide gel and carry out electrophoresis.
12) Visualize the protein bands by CBB staining.



Immunoprecipitation of His-tagged protein

Sample: His-tagged β-galactosidase/293T whole cell lysate
Lane 1: Input (5 μL/lane)
Lane 2: Post-IP beads of Anti-His-tag mAb-Magnetic Beads (MBL, code no. D291-11)