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

A JSR Life Sciences Company

Smart-IP Series

Mouse IgG2b (isotype control) -Magnetic Beads

CODE No.	M077-11
CLONALITY	Monoclonal
CLONE	3D12
ISOTYPE	Mouse IgG2b κ
QUANTITY	20 tests (Slurry: 1 mL)
SOURCE	Purified IgG from hybridoma supernatant
IMMUNOGEN	KLH
REACTIVITY	No specific binding is detected on immunoprecipitation.
FORMULATION	10 mg magnetic beads in 1 mL PBS/0.1% BSA/0.09% NaN_3

*Azide may react with copper or lead in plumbing system to form explosive metal azides. Therefore, always flush plenty of water when disposing materials containing azide into drain.

STORAGE This beads suspension is stable for one year from the date of purchase when stored at 4°C.
If bead agglomeration is observed, please disperse the agglomerations by careful pipetting.
*In particular, please check the inner wall of the vial and cap.

APPLICATION-CONFIRMED

Immunoprecipitation	50 µL of beads slurry/sample

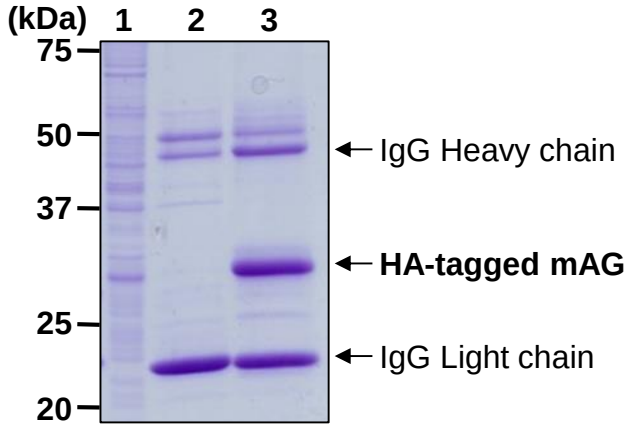
RELATED PRODUCTS

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

The descriptions of the following protocols are examples. Each user should determine the appropriate condition.

Immunoprecipitation

1) Wash 2 x 10^6 cells 3 times with PBS and suspends them in 500 μL of cold Extraction buffer [50 mM Tris-HCl (pH 7.5), 150 mM NaCl, 1% NP-40].
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 500 μL of the cell lysate. Mix well and incubate with gentle agitation for 30 min. 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 3 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 HA-tagged protein

Sample: HEK293T cell lysate from 2 x10^6 cells + HA-tagged mAG 10 μg
Lane 1: Input (10 μL/lane)
Lane 2: Post-IP beads of Mouse IgG2b (isotype control)-Magnetic Beads (M077-11)
Lane 3: Post-IP beads of Anti-HA-tag mAb-Magnetic Beads (M180-11)