

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



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	Covalently antibody conjugated 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	
<u>Immunoprecipitation</u>	50 μ L of beads slurry/sample

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

RELATED PRODUCTS

Smart-IP series

3190	Magnetic Rack
M075-11	Mouse IgG1 (isotype control)-Magnetic Beads (2E12)
M076-11	Mouse IgG2a (isotype control)-Magnetic Beads (6H3)
M081-11	Rat IgG2a (isotype control)-Magnetic Beads (2H3)
D153-11	Anti-GFP mAb-Magnetic Beads (RQ2)
M165-11	Anti-RFP mAb-Magnetic Beads (3G5)
M047-11	Anti-Myc-tag mAb-Magnetic Beads (PL14)
D291-11	Anti-His-tag mAb-Magnetic Beads (OGHis)
M180-11	Anti-HA-tag mAb-Magnetic Beads (TANA2)
M132-11	Anti-HA-tag mAb-Magnetic Beads (5D8)
M185-11	Anti-DDDDK-tag mAb-Magnetic Beads (FLA-1)
M167-11	Anti-V5-tag mAb-Magnetic Beads (1H6)
M215-11	Anti-V5-tag mAb-Magnetic Beads (OZA3)
M198-9	Anti-E-tag mAb-Magnetic beads (21D11)
D058-11	Anti-Multi Ubiquitin mAb-Magnetic Beads (FK2)
D153-10	Anti-GFP mAb-Magnetic Agarose (RQ2)
M165-10	Anti-RFP mAb-Magnetic Agarose (3G5)
M047-10	Anti-Myc-tag mAb-Magnetic Agarose (PL14)
D291-10	Anti-His-tag mAb-Magnetic Agarose (OGHis)
M180-10	Anti-HA-tag mAb-Magnetic Agarose (TANA2)
M132-10	Anti-HA-tag mAb-Magnetic Agarose (5D8)
M185-10	Anti-DDDDK-tag mAb-Magnetic Agarose (FLA-1)
M167-10	Anti-V5-tag mAb-Magnetic Agarose (1H6)
M198-10	Anti-E-tag mAb-Magnetic Agarose (21D11)
M201-10	Anti-Phosphotyrosine mAb-Magnetic Agarose (PT4)

Functional grade antibodies

M075-3M2	Mouse IgG1 (isotype control) (2E12)
M076-3M2	Mouse IgG2a (isotype control) (6H3)
M077-3M2	Mouse IgG2b (isotype control) (3D12)
M078-3M2	Mouse IgG3 (isotype control) (6A3)
M080-3M2	Rat IgG1 (isotype control) (1H5)
M081-3M2	Rat IgG2a (isotype control) (2H3)
M090-3M2	Rat IgG2b (isotype control) (3G8)

Purified antibodies

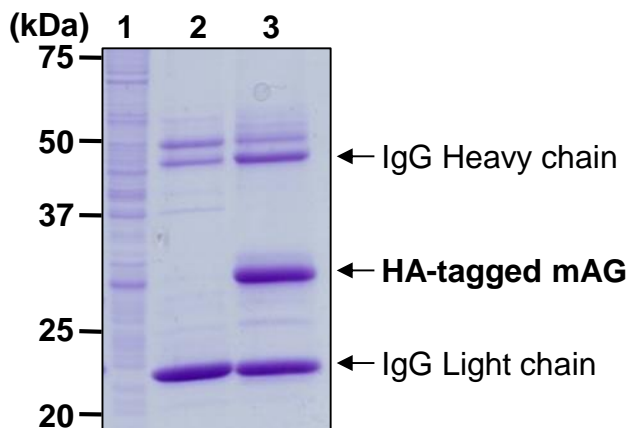
M075-3	Mouse IgG1 (isotype control) (2E12)
M075-4	Mouse IgG1 (isotype control)-FITC (2E12)
M075-5	Mouse IgG1 (isotype control)-PE (2E12)
M075-6	Mouse IgG1 (isotype control)-Biotin (2E12)
M075-12	Mouse IgG1 (isotype control)-ALP (2E12)
M075-A48	Mouse IgG1 (isotype control)-Alexa Fluor [®] 488 (2E12)
M075-A64	Mouse IgG1 (isotype control)-Alexa Fluor [®] 647 (2E12)
M075-8	Mouse IgG1 (isotype control)-Agarose (2E12)
M076-3	Mouse IgG2a (isotype control) (6H3)
M076-4	Mouse IgG2a (isotype control)-FITC (6H3)
M076-5	Mouse IgG2a (isotype control)-PE (6H3)
M076-6	Mouse IgG2a (isotype control)-Biotin (6H3)
M076-12	Mouse IgG2a (isotype control)-ALP (6H3)
M076-A48	Mouse IgG2a (isotype control)-Alexa Fluor [®] 488 (6H3)
M076-A64	Mouse IgG2a (isotype control)-Alexa Fluor [®] 647 (6H3)
M077-3	Mouse IgG2b (isotype control) (3D12)
M077-4	Mouse IgG2b (isotype control)-FITC (3D12)
M077-5	Mouse IgG2b (isotype control)-PE (3D12)
M077-6	Mouse IgG2b (isotype control)-Biotin (3D12)
M077-12	Mouse IgG2b (isotype control)-ALP (3D12)
M077-A48	Mouse IgG2b (isotype control)-Alexa Fluor [®] 488 (3D12)
M077-A64	Mouse IgG2b (isotype control)-Alexa Fluor [®] 647 (3D12)

M078-3	Mouse IgG3 (isotype control) (6A3)
M078-4	Mouse IgG3 (isotype control)-FITC (6A3)
M078-6	Mouse IgG3 (isotype control)-Biotin (6A3)
M079-3	Mouse IgM (isotype control) (7E10)
M080-3	Rat IgG1 (isotype control) (1H5)
M080-4	Rat IgG1 (isotype control)-FITC (1H5)
M080-5	Rat IgG1 (isotype control)-PE (1H5)
M080-A48	Rat IgG1 (isotype control)-Alexa Fluor [®] 488 (1H5)
M080-A64	Rat IgG1 (isotype control)-Alexa Fluor [®] 647 (1H5)
M081-3	Rat IgG2a (isotype control) (2H3)
M081-4	Rat IgG2a (isotype control)-FITC (2H3)
M081-5	Rat IgG2a (isotype control)-PE (2H3)
M081-A48	Rat IgG2a (isotype control)-Alexa Fluor [®] 488 (2H3)
M081-A64	Rat IgG2a (isotype control)-Alexa Fluor [®] 647 (2H3)
M081-8	Rat IgG2a (isotype control)-Agarose (2H3)
M082-3	Rat IgG2c (isotype control) (6E12)
M082-4	Rat IgG2c (isotype control)-FITC (6E12)
M090-3	Rat IgG2b (isotype control) (3G8)
M090-4	Rat IgG2b (isotype control)-FITC (3G8)
M090-5	Rat IgG2b (isotype control)-PE (3G8)
M090-A48	Rat IgG2b (isotype control)-Alexa Fluor [®] 488 (3G8)
M090-A64	Rat IgG2b (isotype control)-Alexa Fluor [®] 647 (3G8)
PM035	Normal Rabbit IgG (polyclonal)
PM035-8	Normal Rabbit IgG-Agarose (polyclonal)
PM067	Normal Guinea Pig IgG (polyclonal)
M189-3	Syrian Hamster IgG (isotype control)
M199-3	Armenian Hamster IgG (isotype control)
PM084	Normal Chicken IgY (polyclonal)
PM084-4	Normal Chicken IgY-FITC (polyclonal)
PM089	Normal Sheep IgG (polyclonal)
PM094	Normal Goat IgG (polyclonal)

Other related antibodies and kits are also available.
Please visit our website at <http://ruo.mbl.co.jp/>

Immunoprecipitation

- 1) Wash 2×10^6 cells 3 times with PBS and suspend them in 500 μ L of cold Extraction buffer [50 mM Tris-HCl (pH 7.5), 150 mM NaCl, 1% NP-40].
- 2) Centrifuge the tube at $12,000 \times g$ for 5 min. at 4°C and transfer the supernatant to another tube.
- 3) Add magnetic beads as suggested in the **APPLICATION** into 500 μ L 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 μ L of Laemmli's sample buffer, boil for 3 min., and place the tube on the magnetic rack for a few seconds.
- 8) Load 20 μ L 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 2×10^6 cells + HA-tagged mAG 10 μ g

Lane 1: Input (10 μ L/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)