

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



Smart-IP Series

Rat IgG2a (isotype control) -Magnetic Beads

CODE No.	M081-11
CLONALITY	Monoclonal
CLONE	2H3
ISOTYPE	Rat IgG2a κ
QUANTITY	20 tests (Slurry: 1 mL)
SOURCE	Purified IgG from hybridoma supernatant
IMMUNOGEN	KLH
REACTIVITY	No specific binding is detected on immunoprecipitation.
FORMURATION	Covalently antibody conjugated 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.
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)
M077-11	Mouse IgG2b (isotype control)-Magnetic Beads (3D12)
M081-11	Rat IgG2a (isotype control)-Magnetic Beads (2H3)
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)
M047-11	Anti-Myc-tag mAb-Magnetic Beads (PL14)
D291-11	Anti-His-tag mAb-Magnetic Beads (OGHis)
D153-11	Anti-GFP mAb-Magnetic Beads (RQ2)
M165-11	Anti-RFP mAb-Magnetic Beads (3G5)
M198-9	Anti-E-tag mAb-Magnetic beads (21D11)
M167-11	Anti-V5-tag mAb-Magnetic Beads (1H6)
D058-9	Anti-Multi Ubiquitin mAb-Magnetic beads (FK2)
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)
M047-10	Anti-Myc-tag mAb-Magnetic Agarose (PL14)
D291-10	Anti-His-tag mAb-Magnetic Agarose (OGHis)
D153-10	Anti-GFP mAb-Magnetic Agarose (RQ2)
M165-10	Anti-RFP mAb-Magnetic Agarose (3G5)
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)
M079-3M2	Mouse IgM (isotype control) (7E10)
M080-3M2	Rat IgG1 (isotype control) (1H5)
M081-3M2	Rat IgG2a (isotype control) (2H3)
M090-3M2	Rat IgG2b (isotype control) (3G8)

Purified antibodies

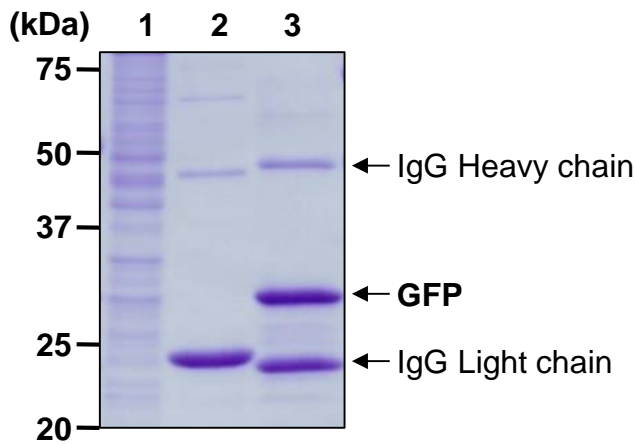
M075-3	Mouse IgG1 (isotype control) (2E12)
M075-4	Mouse IgG1 (isotype control)-FITC (2E12)
M075-5	Mouse IgG1 (isotype control)-PE (2E12)
M075-A48	Mouse IgG1 (isotype control)-Alexa Fluor [®] 488 (2E12)
M075-A64	Mouse IgG1 (isotype control)-Alexa Fluor [®] 647 (2E12)
M075-8	Mouse IgG1 (isotype control)-Agarose (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-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-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)
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)

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 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 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 GFP protein

Sample: HEK293T cell lysate from 2×10^6 cells + GFP 10 μ g

Lane 1: Input (10 μ L/lane)

Lane 2: Post-IP beads of Rat IgG2a (isotype control)-Magnetic Beads (M081-11)

Lane 3: Post-IP beads of Anti-GFP mAb-Magnetic Beads (D153-11)