

Smart-IP Series

Anti-E-tag mAb-Magnetic Agarose

CODE No.	M198-10
CLONALITY	Monoclonal
CLONE	21D11
ISOTYPE	Mouse IgG2a κ
QUANTITY	20 tests (Gel: 200 μ L)
SOURCE	Purified IgG from hybridoma supernatant
IMMUNOGEN	KLH conjugated synthetic peptide, GAPVPYPDPLEPR (E-tag)
REACTIVITY	This antibody reacts with recombinant E-tagged protein.
FORMURATION	400 μ g of antibody is covalently coupled to 200 μ L of magnetic agarose gel and provided as 400 μ L gel slurry suspended in PBS/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 gel slurry is stable for one year from the date of purchase when stored at 4°C.

APPLICATION-CONFIRMED

Immunoprecipitation 10 μ L of gel/sample

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

RELATED PRODUCTS

Smart-IP series

3190	Magnetic Rack
M198-10	Anti-E-tag-Magnetic Agarose (21D11)
M185-10	Anti-DDDDK-tag-Magnetic Agarose (FLA-1)
D291-10	Anti-His-tag-Magnetic Agarose (OGHis)
D153-10	Anti-GFP-Magnetic Agarose (RQ2)
M165-10	Anti-RFP-Magnetic Agarose (3G5)
M132-10	Anti-HA-tag-Magnetic Agarose (5D8)
M180-10	Anti-HA-tag-Magnetic Agarose (TANA2)
M047-10	Anti-Myc-tag-Magnetic Agarose (PL14)
M167-10	Anti-V5-tag-Magnetic Agarose (1H6)
M198-9	Anti-E-tag-Magnetic beads (21D11)
M185-9	Anti-DDDDK-tag-Magnetic beads (FLA-1)
D291-9	Anti-His-tag-Magnetic beads (OGHis)
D153-9	Anti-GFP-Magnetic beads (RQ2)
M165-9	Anti-RFP-Magnetic beads (3G5)
M132-9	Anti-HA-tag-Magnetic beads (5D8)
M180-9	Anti-HA-tag-Magnetic beads (TANA2)
M047-9	Anti-Myc-tag-Magnetic beads (PL14)
M167-9	Anti-V5-tag-Magnetic beads (1H6)
D058-9	Anti-Multi Ubiquitin-Magnetic beads (FK2)
M075-9	Mouse IgG1 (isotype control)-Magnetic beads
M076-9	Mouse IgG2a (isotype control)-Magnetic beads
M077-9	Mouse IgG2b (isotype control)-Magnetic beads
M081-9	Rat IgG2a (isotype control)-Magnetic beads

Antibodies

PM070	Anti-E-tag (polyclonal)
PM071	Anti-Calmodulin Binding Protein-tag (polyclonal)
M192-3	Anti-Myc-tag (My3) (200 µL)
M192-3S	Anti-Myc-tag (My3) (50 µL)
M047-3	Anti-Myc-tag (PL14)
M047-6	Anti-Myc-tag-Biotin (PL14)
M047-7	Anti-Myc-tag-HRP-Direct (PL14)
M047-8	Anti-Myc-tag-Agarose (PL14)
M047-A48	Anti-Myc-tag-Alexa Fluor® 488 (PL14)
M047-A59	Anti-Myc-tag-Alexa Fluor® 594 (PL14)
M047-A64	Anti-Myc-tag-Alexa Fluor® 647 (PL14)
562	Anti-Myc-tag (polyclonal) (0.1 mL)
562-5	Anti-Myc-tag (polyclonal) (0.5 mL)
M180-3	Anti-HA-tag (TANA2) (200 µL)
M180-3S	Anti-HA-tag (TANA2) (50 µL)
M180-7	Anti-HA-tag-HRP-Direct (TANA2)
M180-A48	Anti-HA-tag-Alexa Fluor® 488 (TANA2)
M180-A59	Anti-HA-tag-Alexa Fluor® 594 (TANA2)
M180-A64	Anti-HA-tag-Alexa Fluor® 647 (TANA2)
561	Anti-HA-tag (polyclonal) (0.1 mL)
561-5	Anti-HA-tag (polyclonal) (0.5 mL)
561-7	Anti-HA-tag-HRP-Direct (polyclonal)
561-8	Anti-HA-tag-Agarose (polyclonal)
M132-3	Anti-HA-tag (5D8)
M185-3L	Anti-DDDDK-tag (FLA-1) (1 mL)
M185-3LL	Anti-DDDDK-tag (FLA-1) (5 mL)
M185-3S	Anti-DDDDK-tag (FLA-1) (50 µL)
M185-A48	Anti-DDDDK-tag-Alexa Fluor® 488 (FLA-1)
M185-A59	Anti-DDDDK-tag-Alexa Fluor® 594 (FLA-1)
M185-A64	Anti-DDDDK-tag-Alexa Fluor® 647 (FLA-1)
PM020	Anti-DDDDK-tag (polyclonal)

PM020-7	Anti-DDDDK-tag-HRP-Direct (polyclonal)
PM020-8	Anti-DDDDK-tag-Agarose (polyclonal)
D291-3	Anti-His-tag (OGHis) (200 µL)
D291-3S	Anti-His-tag (OGHis) (50 µL)
D291-6	Anti-His-tag-Biotin (OGHis)
D291-7	Anti-His-tag-HRP-Direct (OGHis)
D291-8	Anti-His-tag-Agarose (OGHis)
D291-A48	Anti-His-tag-Alexa Fluor® 488 (OGHis)
D291-A59	Anti-His-tag-Alexa Fluor® 594 (OGHis)
D291-A64	Anti-His-tag-Alexa Fluor® 647 (OGHis)
M089-3	Anti-His-tag (6C4)
M136-3	Anti-His-tag (2D8)
PM032	Anti-His-tag (polyclonal)
PM032-8	Anti-His-tag-Agarose (polyclonal)
598	Anti-GFP (polyclonal)
598-7	Anti-GFP-HRP-Direct (polyclonal)
M048-3	Anti-GFP (1E4)
D153-3	Anti-GFP (RQ2)
D153-A48	Anti-GFP-Alexa Fluor® 488 (RQ2)
D153-A59	Anti-GFP-Alexa Fluor® 594 (RQ2)
D153-A64	Anti-GFP-Alexa Fluor® 647 (RQ2)
D153-8	Anti-GFP-Agarose (RQ2)
PM005	Anti-RFP (polyclonal)
PM005-7	Anti-RFP-HRP-Direct (polyclonal)
M155-3	Anti-RFP (8D6)
M165-3	Anti-RFP (3G5)
M165-8	Anti-RFP-agarose (3G5)
M167-3	Anti-V5-tag (1H6)
PM003	Anti-V5-tag (polyclonal)
PM003-7	Anti-V5-tag-HRP-Direct (polyclonal)
PM003-8	Anti-V5-tag-Agarose (polyclonal)

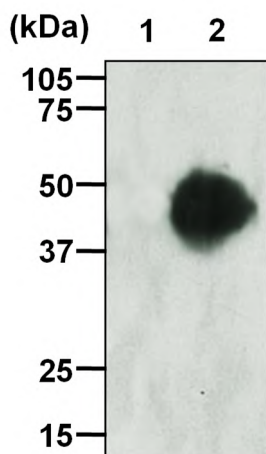
Protein Purification Kit

3305	c-Myc-tagged Protein MILD PURIFICATION KIT
3306	c-Myc-tagged Protein MILD PURIFICATION GEL (1 mL gel, 1 mg peptide)
3307	c-Myc-tagged Protein MILD PURIFICATION GEL (5 mL gel, 5 mg peptide)
3300-205	c-Myc tag peptide (5 mg)
3310	His-tagged Protein PURIFICATION KIT
3310-205	His-tag peptide (10mg)
3311	His-tagged Protein PURIFICATION GEL (1 mL gel, 10 mg peptide)
3312	His-tagged Protein PURIFICATION GEL (5 mL gel, 50 mg peptide)
3315	V5-tagged Protein PURIFICATION KIT
3320	HA-tagged Protein PURIFICATION KIT
3325	DDDDK-tagged Protein PURIFICATION KIT
3325-205	DDDDK-tag peptide (5 mg)
3326	DDDDK-tagged Protein PURIFICATION GEL (1 mL gel, 5 mg peptide)
3327	DDDDK-tagged Protein PURIFICATION GEL (5 mL gel, 25 mg peptide)
3328	DDDDK-tagged Protein PURIFICATION GEL (5 mL gel)
3329	DDDDK-tagged Protein PURIFICATION GEL (25 mL gel)

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

Immunoprecipitation

- 1) Mix 400 μ L of the cell culture supernatant containing E-tagged protein with magnetic beads as suggested in the **APPLICATION**. Incubate with gentle agitation for 30 min. at 4°C.
- 2) Place the tube on the magnetic rack (MBL; code no. 3190) for a few seconds.
- 3) Remove the supernatant.
- 4) Wash the beads 4 times with 1 mL of cold Extraction buffer (50 mM Tris-HCl (pH7.5), 150 mM NaCl, 0.05% NP-40). (place the tube on the magnetic rack for a few seconds).
- 5) 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.
- 6) Load 10 μ L of the sample per lane in a 1-mm-thick SDS-polyacrylamide gel (12.5% acrylamide) and carry out electrophoresis.
- 7) Blot the protein to a polyvinylidene difluoride (PVDF) membrane at 1 mA/cm² for 1 hour in a semi-dry transfer system (Transfer Buffer: 25 mM Tris, 190 mM glycine, 20% MeOH). See the manufacturer's manual for precise transfer procedure.
- 8) To reduce nonspecific binding, soak the membrane in 10% skimmed milk (in PBS, pH 7.2) for overnight at 4°C.
- 9) Wash the membrane with PBS-T (0.05% Tween-20 in PBS) [5 min. x 3 times].
- 10) Incubate the membrane with 1:1,000 of anti-E-tag pAb (MBL; code no. PM070) diluted with PBS, pH 7.2 containing 1% skimmed milk for 1 hr. at room temperature. (The concentration of antibody will depend on the conditions.)
- 11) Wash the membrane with PBS-T (5 min. x 3 times).
- 12) Incubate the membrane with 1:10,000 of anti-IgG (H+L chain) (Rabbit) pAb-HRP (MBL; code no. 458) diluted with PBS, pH 7.2 containing 1% skimmed milk for 1 hr. at room temperature.
- 13) Wash the membrane with PBS-T (5 min. x 3 times).
- 14) Wipe excess buffer on the membrane, then incubate it with appropriate chemiluminescence reagent for 1 min. Remove extra reagent from the membrane by dabbing with paper towel, and seal it in plastic wrap.
- 15) Expose to an X-ray film in a dark room for 30 sec. Develop the film as usual settings. The condition for exposure and development may vary.



Immunoprecipitation of E-tagged protein

Lane 1: Anti-DDDDK-tag mAb-Magnetic Agarose (M185-10)

Lane 2: Anti-E-tag mAb-Magnetic Agarose (M198-10)

Immunoblotted with Anti-E-tag pAb (PM070)