

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



*Smart-IP Series*

## Anti-V5-tag mAb-Magnetic Agarose

<b>CODE No.</b>	M167-10
<b>CLONALITY</b>	Monoclonal
<b>CLONE</b>	1H6
<b>ISOTYPE</b>	Mouse IgG2a $\kappa$
<b>QUANTITY</b>	20 tests (Gel: 200 $\mu$ L)
<b>SOURCE</b>	Purified IgG from hybridoma supernatant
<b>IMMUNOGEN</b>	Carrier protein conjugated synthetic peptide, GKPIPPLLGLDST (V5-tag)
<b>FORMURATION</b>	400 $\mu$ g of antibody is covalently coupled to 200 $\mu$ L of magnetic agarose gel and provided as 400 $\mu$ L gel slurry suspended in PBS/0.1% ProClin 150
<b>STORAGE</b>	This gel slurry is stable for one year from the date of purchase when stored at 4°C.
<b>APPLICATION-CONFIRMED</b>	
<u>Immunoprecipitation</u>	10 $\mu$ L of gel/400 $\mu$ L of culture sup

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



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URL <http://ruo.mbl.co.jp/>  
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## RELATED PRODUCTS

### Smart-IP series

3190	Magnetic Rack
M047-10	Anti-Myc-tag mAb-Magnetic Agarose (PL14)
M185-10	Anti-DDDDK-tag mAb-Magnetic Agarose (FLA-1)
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)
M132-10	Anti-HA-tag mAb-Magnetic Agarose (5D8)
M180-10	Anti-HA-tag mAb-Magnetic Agarose (TANA2)
M167-10	Anti-V5-tag mAb-Magnetic Agarose (1H6)
M198-10	Anti-E-tag mAb-Magnetic Agarose (21D11)
M047-11	Anti-Myc-tag mAb-Magnetic Beads (PL14)
M185-11	Anti-DDDDK-tag mAb-Magnetic Beads (FLA-1)
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)
M132-11	Anti-HA-tag mAb-Magnetic Beads (5D8)
M180-11	Anti-HA-tag mAb-Magnetic Beads (TANA2)
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)
D058-9	Anti-Multi Ubiquitin mAb-Magnetic beads (FK2)

### Antibodies

M192-3	Anti-Myc-tag mAb (My3) (200 µL)
M047-3	Anti-Myc-tag mAb (PL14)
M047-7	Anti-Myc-tag mAb-HRP-DirecT (PL14)
M047-8	Anti-Myc-tag mAb-Agarose (PL14)
M047-A48	Anti-Myc-tag mAb-Alexa Fluor <sup>®</sup> 488 (PL14)
M047-A59	Anti-Myc-tag mAb-Alexa Fluor <sup>®</sup> 594 (PL14)
M047-A64	Anti-Myc-tag mAb-Alexa Fluor <sup>®</sup> 647 (PL14)
562	Anti-Myc-tag pAb (0.1 mL)
562-5	Anti-Myc-tag pAb (0.5 mL)
M185-3S	Anti-DDDDK-tag mAb (FLA-1) (50 µL)
M185-6	Anti-DDDDK-tag mAb-Biotin (FLA-1)
M185-7	Anti-DDDDK-tag mAb-HRP-DirecT (FLA-1)
PM020	Anti-DDDDK-tag pAb
PM020-7	Anti-DDDDK-tag pAb HRP-DirecT
PM020-8	Anti-DDDDK-tag pAb-Agarose
M180-3	Anti-HA-tag mAb (TANA2) (200 µL)
M180-7	Anti-HA-tag mAb-HRP-DirecT (TANA2)
561	Anti-HA-tag pAb (0.1 mL)
561-7	Anti-HA-tag pAb HRP-DirecT
561-8	Anti-HA-tag pAb-Agarose
M132-3	Anti-HA-tag mAb (5D8)
D291-3	Anti-His-tag mAb (OGHis) (200 µL)
D291-6	Anti-His-tag mAb-Biotin (OGHis)
D291-7	Anti-His-tag mAb HRP-DirecT (OGHis)
D291-8	Anti-His-tag mAb-Agarose (OGHis)
M089-3	Anti-His-tag mAb (6C4)
M136-3	Anti-His-tag mAb (2D8)
PM032	Anti-His-tag pAb
PM032-8	Anti-His-tag pAb-Agarose
D153-3	Anti-GFP mAb (RQ2)
D153-8	Anti-GFP mAb-Agarose (RQ2)
M048-3	Anti-GFP mAb (1E4)
598	Anti-GFP pAb
598-7	Anti-GFP pAb-HRP-DirecT
M165-3	Anti-RFP mAb (3G5)

M165-8	Anti-RFP mAb-Agarose (3G5)
M204-3	Anti-RFP mAb (1G9)
M208-3	Anti-RFP mAb Cocktail (1G9, 3G5 (mixed))
M155-3	Anti-RFP mAb (8D6)
PM005	Anti-RFP pAb
PM005-7	Anti-RFP pAb-HRP-DirecT
PM021	Anti-S-tag pAb
PM021-8	Anti-S-tag pAb-Agarose
PM022	Anti-T7-tag pAb
PM022-8	Anti-T7-tag pAb-Agarose
M167-3	Anti-V5-tag mAb (1H6)
M215-3	Anti-V5-tag mAb (OZA3)
M215-7	Anti-V5-tag mAb-HRP-DirecT (OZA3)
PM003	Anti-V5-tag pAb
PM003-7	Anti-V5-tag pAb-HRP-DirecT
PM003-8	Anti-V5-tag pAb-Agarose
563	Anti-VSV-G-tag pAb
563-8	Anti-VSV-G-tag pAb-Agarose
M209-3	Anti-GST-tag mAb (GT5)
M071-3	Anti-GST-tag mAb (3B2)
PM013	Anti-GST-tag pAb
PM013-7	Anti-GST-tag pAb-HRP-DirecT
PM070	Anti-E-tag pAb
PM071	Anti-Calmodulin Binding Protein-tag pAb
M214-3	Anti-mini-AID-tag mAb (1E4)
M214-7	Anti-mini-AID-tag mAb-HRP-DirecT (1E4)

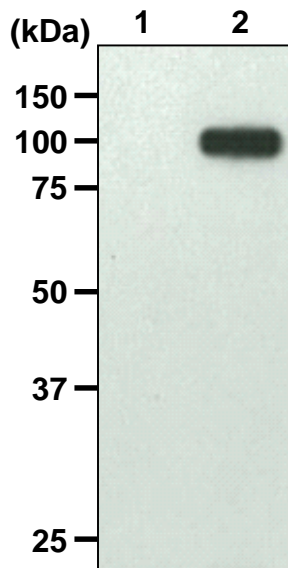
### Protein Purification Kits

3305	c-Myc-tagged Protein MILD PURIFICATION KIT
3340	c-Myc-tagged Protein Magnetic PURIFICATION KIT
3306	c-Myc-tagged Protein MILD PURIFICATION GEL with Elution Peptide (1 mL gel, 1 mg peptide)
3300-205	c-Myc tag peptide (EQKLISEEDL) (5 mg)
3310	His-tagged Protein PURIFICATION KIT
3310-205	His-tag peptide (10 mg)
3311	His-tagged Protein PURIFICATION GEL with Elution Peptide (1 mL gel, 10 mg peptide)
3317	V5-tagged Protein PURIFICATION KIT Ver.2
3341	V5-tagged Protein Magnetic PURIFICATION KIT
3318	V5-tagged Protein Purification Gel Ver.2
3315-205	V5-tag peptide
3320	HA-tagged Protein PURIFICATION KIT
3342	HA-tagged Protein Magnetic PURIFICATION KIT
3320-205	HA-tag peptide (10 mg)
3321	HA-tagged Protein Purification Gel (1 mL)
3325	DDDDK-tagged Protein PURIFICATION KIT
3343	DDDDK-tagged Protein Magnetic PURIFICATION KIT
3325-205	DDDDK-tag peptide (5 mg)
3326	DDDDK-tagged Protein PURIFICATION GEL with Elution Peptide (1 mL gel, 5 mg peptide)
3327	DDDDK-tagged Protein PURIFICATION GEL with Elution Peptide (5 mL gel, 25 mg peptide)
3328	DDDDK-tagged Protein PURIFICATION GEL (5 mL gel)

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

### **Immunoprecipitation**

- 1) Add magnetic beads as suggested in the **APPLICATION** into 400  $\mu$ L of the culture sup. Mix well and 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 Lysis buffer (place the tube on the magnetic rack for a few seconds).
- 5) Resuspend the magnetic beads in 50  $\mu$ 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  $\mu$ 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/cm<sup>2</sup> for 1 hr. 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) overnight at 4°C.
- 9) Incubate the membrane with 1:1,000 of Anti-V5-tag pAb-HRP-DirecT (MBL; code no. PM003-7) diluted with 1% skimmed milk (in PBS, pH 7.2) PBS for 1 hr. at room temperature. (The concentration of antibody will depend on the conditions.)
- 10) Wash the membrane with PBS-T (0.05% Tween-20 in PBS) (5 min. x 3 times).
- 11) 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.
- 12) Expose to an X-ray film in a dark room for 1 min. Develop the film as usual settings. The condition for exposure and development may vary.



#### ***Immunoprecipitation of V5-tagged TPO***

Lane 1: Insect medium (Negative control)  
Lane 2: V5-tagged TPO in insect medium

Immunoblotted with Anti-V5-tag pAb-HRP-DirecT (MBL; code no. PM003-7)