

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



## Anti-GFP mAb-Biotin

<b>CODE No.</b>	D153-6
<b>CLONALITY</b>	Monoclonal
<b>CLONE</b>	RQ2
<b>ISOTYPE</b>	Rat IgG2a $\kappa$
<b>QUANTITY</b>	50 $\mu$ L
<b>SOURCE</b>	Purified IgG from hybridoma supernatant
<b>IMMUNOGEN</b>	GFP, recombinant protein
<b>FORMURATION</b>	PBS (pH 7.2) containing 1% BSA and 0.09% NaN <sub>3</sub> *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.
<b>STORAGE</b>	This antibody solution is stable for one year from the date of purchase when stored at 4°C.
<b>APPLICATION-CONFIRMED</b>	
<u>Sandwich ELISA</u>	1:5,000 for chemiluminescence detection system

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



## RELATED PRODUCTS

### Antibodies

598	Anti-GFP pAb (polyclonal)
598-7	Anti-GFP pAb-HRP-Direct (polyclonal)
M048-3	Anti-GFP mAb (1E4)
D153-3	Anti-GFP mAb (RQ2)
D153-6	Anti-GFP mAb-Biotin (RQ2)
D153-A48	Anti-GFP mAb-Alexa Fluor <sup>®</sup> 488 (RQ2)
D153-A59	Anti-GFP mAb-Alexa Fluor <sup>®</sup> 594 (RQ2)
D153-A64	Anti-GFP mAb-Alexa Fluor <sup>®</sup> 647 (RQ2)
D153-8	Anti-GFP mAb-Agarose (RQ2)
PM073	Anti-Renilla GFP pAb (polyclonal)
PM005	Anti-RFP pAb (polyclonal)
PM005-7	Anti-RFP pAb-HRP-Direct (polyclonal)
M155-3	Anti-RFP mAb (8D6)
M165-3	Anti-RFP mAb (3G5)
M165-8	Anti-RFP mAb-Agarose (3G5)
M180-3	Anti-HA-tag mAb (TANA2) (200 µL)
M180-6	Anti-HA-tag mAb-Biotin (TANA2)
M180-7	Anti-HA-tag mAb-HRP-Direct (TANA2)
M180-A48	Anti-HA-tag mAb-Alexa Fluor <sup>®</sup> 488 (TANA2)
M180-A59	Anti-HA-tag mAb-Alexa Fluor <sup>®</sup> 594 (TANA2)
M180-A64	Anti-HA-tag mAb-Alexa Fluor <sup>®</sup> 647 (TANA2)
561	Anti-HA-tag pAb (polyclonal) (0.1 mL)
561-5	Anti-HA-tag pAb (polyclonal) (0.5 mL)
561-7	Anti-HA-tag pAb-HRP-Direct (polyclonal)
561-8	Anti-HA-tag pAb-Agarose (polyclonal)
M132-3	Anti-HA-tag mAb (5D8)
M185-3S	Anti-DDDDK-tag mAb (FLA-1) (50 µL)
M185-3L	Anti-DDDDK-tag mAb (FLA-1) (1 mL)
M185-3LL	Anti-DDDDK-tag mAb (FLA-1) (1 mL x 5)
M185-A48	Anti-DDDDK-tag mAb-Alexa Fluor <sup>®</sup> 488 (FLA-1)
M185-A59	Anti-DDDDK-tag mAb-Alexa Fluor <sup>®</sup> 594 (FLA-1)
M185-A64	Anti-DDDDK-tag mAb-Alexa Fluor <sup>®</sup> 647 (FLA-1)
M185-7	Anti-DDDDK-tag mAb-HRP-Direct (FLA-1)
PM020	Anti-DDDDK-tag pAb (polyclonal)
PM020-7	Anti-DDDDK-tag pAb-HRP-Direct (polyclonal)
PM020-8	Anti-DDDDK-tag pAb-Agarose (polyclonal)
M192-3	Anti-Myc-tag mAb (My3) (200 µL)
M192-6	Anti-Myc-tag mAb-Biotin (My3)
M047-3	Anti-Myc-tag mAb (PL14)
M047-6	Anti-Myc-tag mAb-Biotin (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 (polyclonal) (0.1 mL)
562-5	Anti-Myc-tag pAb (polyclonal) (0.5 mL)
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)
D291-A48	Anti-His-tag mAb-Alexa Fluor <sup>®</sup> 488 (OGHis)
D291-A59	Anti-His-tag mAb-Alexa Fluor <sup>®</sup> 594 (OGHis)
D291-A64	Anti-His-tag mAb-Alexa Fluor <sup>®</sup> 647 (OGHis)
M089-3	Anti-His-tag mAb (6C4)
M136-3	Anti-His-tag mAb (2D8)
PM032	Anti-His-tag pAb (polyclonal)

PM032-8	Anti-His-tag pAb-Agarose (polyclonal)
M167-3	Anti-V5-tag mAb (1H6)
PM003	Anti-V5-tag pAb (polyclonal)
PM003-7	Anti-V5-tag pAb-HRP-Direct (polyclonal)
PM003-8	Anti-V5-tag pAb-Agarose (polyclonal)
PM070	Anti-E-tag pAb (polyclonal)
PM071	Anti-Calmodulin Binding Protein-tag pAb (polyclonal)

### Smart-IP series

3190	Magnetic Rack
D153-9	Anti-GFP mAb-Magnetic beads (RQ2)
M165-9	Anti-RFP mAb-Magnetic beads (3G5)
M180-9	Anti-HA-tag mAb-Magnetic beads (TANA2)
M132-9	Anti-HA-tag mAb-Magnetic beads (5D8)
M185-9	Anti-DDDDK-tag mAb-Magnetic beads (FLA-1)
M047-9	Anti-Myc-tag mAb-Magnetic beads (PL14)
D291-9	Anti-His-tag mAb-Magnetic beads (OGHis)
M167-9	Anti-V5-tag mAb-Magnetic beads (1H6)
M198-9	Anti-E-tag mAb-Magnetic beads (21D11)
D058-9	Anti-Multi Ubiquitin mAb-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
D153-10	Anti-GFP mAb-Magnetic Agarose (RQ2)
M165-10	Anti-RFP mAb-Magnetic Agarose (3G5)
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)
M167-10	Anti-V5-tag mAb-Magnetic Agarose (1H6)
M198-10	Anti-E-tag mAb-Magnetic Agarose (21D11)

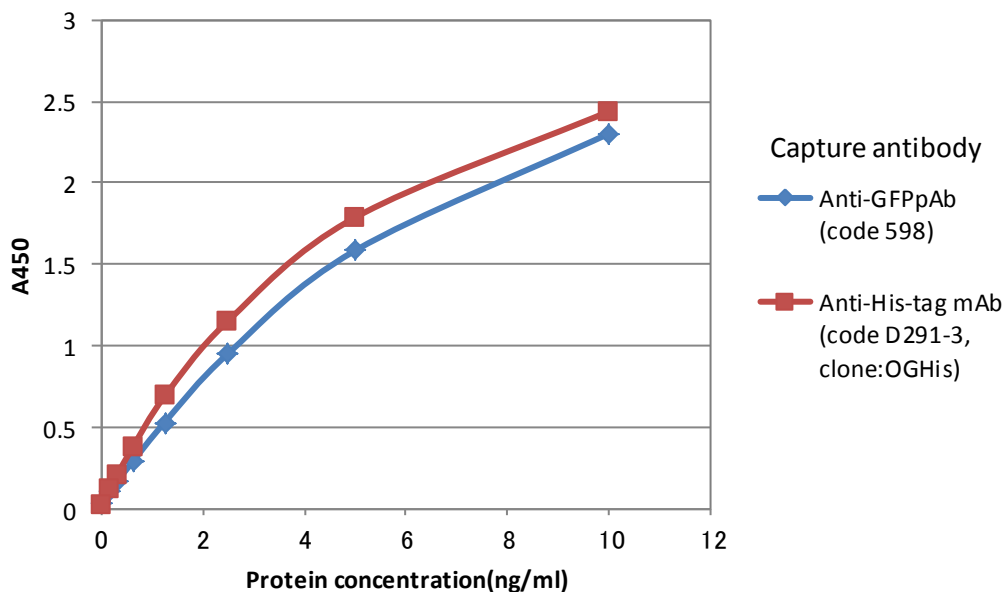
### Protein Purification Kits

3320	HA-tagged Protein PURIFICATION KIT
3321	HA-tagged Protein PURIFICATION GEL (1 mL)
3325	DDDDK-tagged Protein PURIFICATION KIT
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)
3325-205	DDDDK-tag peptide (1 mg x 5)
3326K	DDDDK-tagged Protein PURIFICATION CARTRIDGE (1 mL x 1)
3305	c-Myc-tagged Protein MILD PURIFICATION KIT
3306	c-Myc-tagged Protein MILD PURIFICATION GEL (1 mL gel, 1 mg peptide)
3310	His-tagged Protein PURIFICATION KIT
3311	His-tagged Protein PURIFICATION GEL (1 mL gel, 5 mg peptide)
3315	V5-tagged Protein PURIFICATION KIT
3316	V5-tagged Protein PURIFICATION GEL (1 mL)

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

## **Sandwich ELISA**

- 1) Add 100  $\mu\text{L}$ /well of 5  $\mu\text{g}/\text{mL}$  capture antibody diluted 0.1 M Carbonate buffer (pH 9.6) to the 96-well plate. Incubate overnight at 4°C.
- 2) Wash the plate with PBS (2 times).
- 3) Add 200  $\mu\text{L}$ /well of Blocking Buffer (1% BSA/5% Sucrose/0.15% Proclin150/PBS). Incubate for 1 hr. at room temperature.
- 4) Discard the Blocking Buffer. Add 100  $\mu\text{L}$ /well of His-tagged GFP protein in Assay diluent (1% BSA/0.1% Tween-20/0.15% Proclin150/PBS) to each well.
- 5) Incubate for 1 hr. at room temperature.
- 6) Wash the plate with PBS-T [0.05% Tween-20 in PBS] (4 times).
- 7) Add 100  $\mu\text{L}$ /well of anti-GFP mAb-Biotin (MBL; code no. D153-6) diluted with Assay diluent as suggested in the **APPLICATION**. Incubate for 1 hr. at room temperature. (The concentration of antibody will depend on the conditions.)
- 8) Wash the plate with PBS-T (4 times).
- 9) Add 100  $\mu\text{L}$ /well of 1:40,000 streptavidin-HRP (GE Healthcare; code no. RPN4401) diluted with SA-HRP diluent (20 mM HEPES/1% BSA/0.135 M NaCl). Incubate for 30 min. at room temperature.
- 10) Wash the plate with PBS-T (4 times).
- 11) Add 100  $\mu\text{L}$ /well of substrate solution (ex. TMB). Incubate for appropriate time at room temperature.
- 12) Add 100  $\mu\text{L}$ /well of stop solution (ex. 1N  $\text{H}_2\text{SO}_4$ ).
- 13) Read absorbance at 450 nm.



### ***ELISA for measurement of GFP protein***

Capture antibody:

Anti-GFP pAb (MBL; code no. 598)

Anti-His-tag mAb (MBL; code no. D291-3)

Detector antibody:

Anti-GFP mAb-Biotin (MBL; code no. D153-6)

Sample:

His-tagged GFP protein