

**PRODUCT :** Anti- GFP (Rat IgG2a), Monoclonal(GF090R), CC, Agarose Conjugate

**CODE NUMBER :** 06083-05

**LOT NUMBER :** M4G2488

**SOURCE :** Rat, Hybridoma GF090R (Culture type)

**SIZE :** 0.5mg

**ANTIBODY PROTEIN :** 2 mg antibody / mL agarose

**PRODUCT FORM :** 1:1 suspension in Dulbecco's PBS(-)

**PRESERVATIVE :** 0.02% Sodium azide

**SPECIFICITY :** This product is prepared with an affinity purified anti-GFP antibody, Rat monoclonal (GF090R), coupled to cyanogen bromide-activated agarose. This product reacts with Green Fluorescent Protein(GFP), and cross-reacts with Blue Fluorescent Protein(BFP).

**PROCEDURE :** Immunoprecipitation of GFP tagged fusion proteins

1. Add 0.05mL of the 1:1 suspension of this product to a microcentrifuge tube (0.5 to 1.5 mL).
2. Allow the resin to settle by a short spin. Discard the liquid.
3. Wash the resin 5 times with 0.4 to 1.0 mL of PBS or rinse buffer\*.
4. Add 0.05 to 0.1 mL of clarified bacterial lysate or cell extract and 0.4 to 1.0 mL of rinse buffer.
5. Incubate for 2 hours on an orbital shaker at room temperature or at 4°C. Suspend the resin.
6. Wash the resin 5 times with 0.4 to 1.0 mL of rinse buffer. Aspirate the supernatant.
7. Add 0.05 mL of SDS sample buffer. Cap the tube and incubate 5 minutes at 95°C.
8. Allow the resin to settle by a short spin. Load the supernatant into a gel lane and analyze by SDS-PAGE. The GFP -tagged fusion protein is determined by Immunoblotting.

\*Rinse buffer : 50mM Tris-HCl pH7.5, 150mM NaCl, 1%(v/v)NP-40, 10mM EDTA, 1mM PMSF,  
10  $\mu$  M pepstatin, 20  $\mu$  M leupeptin

**STORAGE :** Product (original package) should be stored at 2-8°C. **Do not freeze.**

**CAUTION :** For research use only, not intended for diagnostic or drug use.

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