

## Anti-FAK, agarose conjugate

(mouse monoclonal IgG<sub>1</sub>, clone 4.47)

Catalog # 16-173

Lot # 19715

**Product Description:** Anti-FAK monoclonal antibody, clone 4.47 (Catalog # 05-537), covalently coupled to Protein G agarose by dimethylpimelimidate. The immunogen is a GST fusion-protein corresponding to residues 1-423 of human FAK.

**Quantity and Formulation:** 200mg of anti-FAK monoclonal antibody covalently linked to 200ml of protein G agarose beads and provided as a 50% gel slurry suspended in PBS containing 0.05% sodium azide for a total volume of 400μl.

**Physical Form:** Liquid suspension.

**Storage and Stability:** Stable for 2 years at 4°C from date of shipment. It is recommended to wash the agarose beads with appropriate buffer prior to use to remove sodium azide.

**FOR RESEARCH USE ONLY  
NOT FOR USE IN HUMANS**

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### Quality Control Testing and Research Applications

Immunoprecipitation: 5-10μg (10-20μl) of this lot of antibody-agarose immunoprecipitated FAK from a mouse 3T3/A31 RIPA cell lysate, as confirmed by subsequent immunoblot analysis using anti-FAK (Catalog # 05-537).

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### Immunoprecipitation Protocol

1. Before beginning the immunoprecipitation, dilute the cell lysate to roughly 1μg/μl total cell protein in a microcentrifuge tube with PBS.
2. Add **5-10μg (10-20ml of a 50% gel slurry) of anti-FAK, agarose conjugate** to 500μg-1mg cell lysate.
3. Gently rock the reaction mixture at 4°C overnight.
4. Collect the agarose beads by pulsing (5 seconds in the microcentrifuge at 14,000 x g), and drain off the supernatant. Wash the beads 3 times with either ice-cold cell lysis buffer or PBS.
5. Resuspend the agarose beads in 50μl 2X Laemmli sample buffer.
6. The agarose beads can either be frozen for later use or suspended in Laemmli sample buffer and boiled for 5 minutes. The beads are collected by a microcentrifuge pulse and SDS-PAGE and subsequent immunoblot analysis can be performed on a sample of the supernatant.