

**Certificate of Analysis**

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**Anti-FAK, clone 4.47, agarose conjugate**

(mouse monoclonal IgG<sub>1</sub>)

Catalog # 16-173

Lot # DAM1428212

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

**Formulation:** 200µg of anti-FAK monoclonal antibody covalently linked to 200µl 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. 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 (10-20µl of a 50% gel slurry) of anti-FAK, clone 4.47, 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 60µl 2X Laemmli sample buffer.
6. Store the beads frozen for future analysis or boil the beads for 5 minutes.
7. Collect the beads after boiling using a microcentrifuge pulse.
8. Perform SDS-PAGE and immunoblot analysis on a sample of the supernatant fraction.

Unless otherwise stated in our catalog or other company documentation accompanying the product(s), our products are intended for research use only and are not to be used for any other purpose, which includes but is not limited to, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses or any type of consumption or application to humans or animals.

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