
Certificate of Analysis

Anti-FAK, clone 4.47, agarose conjugate
(mouse monoclonal IgG₁)
Catalog # 16-173
Lot # 27737

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.

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**

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).

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.