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## Certificate of Analysis

**Goat Anti-Mouse IgG, HRP-conjugate**  
(goat polyclonal IgG)  
Catalog # 12-349  
Lot # 21978

**Immunogen:** Highly purified whole mouse IgG.

**Specificity:** Recognizes mouse IgG, both heavy and light chains.

**Species Cross-reactivity:** Mouse.

**Formulation:** 500µg of goat IgG, conjugated with horseradish peroxidase, in 250µl 0.02M potassium phosphate, pH 7.2, 0.15M NaCl, 0.01% (w/v) gentamicin sulfate, and 10mg/ml BSA, before the addition of glycerol to 50%. Liquid at -20°C.

**Storage and Stability:** Stable for 1 year at -20°C from date of shipment.

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

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### Quality Control Testing

**Immunoblot Analysis:** This lot of antibody was tested at 1:1000, 1:2000, and 1:5000 dilutions in conjunction with anti-Src (Catalog # 05-184) and an EGF-stimulated A431 cell lysate. Previous lots were tested in conjunction with anti-phosphotyrosine (Catalog # 05-321).

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### Immunoblot Protocol

1. Perform SDS-polyacrylamide gel electrophoresis (SDS-PAGE) on a cell lysate sample (cell lysis buffer: 50mM Tris-HCl, pH7.4; 1% NP-40; 0.25% sodium deoxycholate; 150mM NaCl; 1mM EGTA; 1mM PMSF; 1µg/ml each aprotinin, leupeptin, pepstatin; 1mM Na<sub>3</sub>VO<sub>4</sub>; 1mM NaF) and transfer the proteins to nitrocellulose. Wash the blotted nitrocellulose twice with water.
2. Block the blotted nitrocellulose in freshly prepared PBS with 3% nonfat dry milk (Catalog # 20-200), (PBS-MLK) for 2 hours at 20-25°C with constant agitation.
3. Incubate the nitrocellulose with **mouse primary antibody**, diluted in freshly prepared PBS-MLK overnight with agitation at 4°C.
4. Wash the nitrocellulose twice with water.
5. Incubate the nitrocellulose in **1:1000-1:5000 Goat Anti-Mouse IgG, HRP-conjugate** in PBS-MLK for 1.5 hours at room temperature with agitation.
6. Wash the nitrocellulose with 4-5 changes of water.
7. Wash the nitrocellulose in PBS-0.05% Tween 20 for 3-5 minutes.
8. Rinse the nitrocellulose in 4-5 changes of water.
9. Use detection method of choice (enhanced chemiluminescence was used).