

## Certificate of Analysis

### Phosphotyrosine Control

(EGF-stimulated A431 cell lysate)

Catalog # 12-110

Lot # DAM1390152

**Product Description:** Cellular protein preparation from A431 cells containing phosphorylated proteins, including the EGF receptor. A431 cells were cultured for 20 minutes in the presence of 50ng/ml EGF (Catalog # 01-107). Cells were lysed in modified RIPA buffer (50mM Tris-HCl, pH 7.4, 1% NP40, 0.25% sodium deoxycholate, 150mM NaCl, 1mM EDTA, 1mM PMSF, 1 $\mu$ g/ml aprotinin, 1 $\mu$ g/ml leupeptin, 1 $\mu$ g/ml pepstatin, 1mM Na<sub>3</sub>VO<sub>4</sub>, 1mM NaF).

**Formulation:** 1mg of cell lysate in 500 $\mu$ l of RIPA sample buffer. Concentration: 2 $\mu$ g/ $\mu$ l. Frozen solution.

**Storage and Stability:** Stable for 6 months at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.

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

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### Quality Control Testing

**Positive Control for Immunoblot Analysis:** 20 $\mu$ g of this lot of preparation was tested by using 0.5-2 $\mu$ g/ml monoclonal anti-phosphotyrosine, clone 4G10<sup>®</sup> (Catalog # 05-321) to detect the phosphorylated EGF receptor (Mr 170kDa) and other tyrosine phosphorylated proteins.

**Use:** For immunoblot analysis, add an equal volume of Laemmli reducing sample buffer to 5-25 $\mu$ l of lysate and boil for 5 minutes to reduce the preparation.

### Additional Research Applications

**Immunoprecipitation Positive Control:** This preparation may also be used for immunoprecipitation with anti-phosphotyrosine, clone 4G10<sup>®</sup>, agarose conjugate (Catalog # 16-101).

**Note:** This protein preparation may also be used as positive control for other Upstate antibodies.