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## Certificate of Analysis

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**Jurkat Cell Lysate**  
(human T-lymphocyte cell line)  
Catalog # 12-303  
Lot # 0703054083

**Product Description:** Cellular protein preparation. Cells were lysed in modified RIPA buffer (50 mM Tris-HCl, pH 7.4, 1% NP40, 0.25% sodium deoxycholate, 150 mM NaCl, 1 mM EDTA, 1 mM PMSF, 1 µg/mL aprotinin, 1 µg/mL leupeptin, 1 µg/mL pepstatin, 1 mM Na<sub>3</sub>VO<sub>4</sub>, 1 mM NaF) and **diluted with non-reducing sample buffer** (31 mM Tris-HCl, pH 6.8, 5% glycerol, 1% SDS, 0.002% bromphenol blue).

**Use:** Add 2.5 µL of 2-mercaptoethanol/100 µL of lysate and boil for 5 minutes to reduce the preparation. Load 20 µg of reduced lysate per lane for immunoblot analysis. This preparation may be used as a positive control for some of Upstate's antibodies.

**Quantity and Formulation:** 100 µg in 100 µL of RIPA diluted with non-reducing sample buffer. Concentration: 1 mg/mL. 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**