

# Jurkat Camptothecin-induced Apoptosis Lysate

Cat. # JL9541

Size 100  $\mu$ l

## **Lysate Preparation:**

The camptothecin treatment of human Jurkat T-Cell leukemia cells can be used as a western blot positive control for detecting antigens expressed during apoptosis. The treated cells undergo apoptosis as determined by identification of specific apoptotic cleavage products, such as PARP and caspase-3 cleavage.

Confluent cultures of Jurkat cells were either left untreated (Cat.# JL9531) or treated with Camptothecin (4  $\mu$ M) for 4 hours at 37°C (cat.# JL9541). Cells were lysed in 1% SDS, 1.0 mM sodium ortho-vanadate, 1 mM sodium fluoride in 10 mM Tris (pH 7.4) buffer. Protein concentration was determined using the BCA method (Pierce) before diluting to final concentration and buffer.

## **Buffer and Storage:**

Cell Lysates are supplied at a concentration of 1 mg/ml in electrophoresis sample buffer (62.5 mM Tris pH 6.8, 2% SDS, 5% glycerol, 0.003% bromophenol blue, 0.9%  $\beta$ -mercaptoethanol). Store at  $-20^{\circ}$ C. Do not boil or dilute. Stable for 1 year.

## **Applications:**

WB 20  $\mu$ l/lane

End user should determine optimal quantity for their particular applications and experiments.

## **Related Products:**

JL9531 Jurkat Camptothecin Control Lysate  
JL9251 Jurkat Calyculin A Control Lysate  
JL9261 Jurkat + Calyculin A Lysate  
JL9401 Jurkat Pervanadate Control Lysate  
JL9501 Jurkat + Pervanadate Lysate  
CK6360 Caspase Family Antibody Sampler Kit

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