

Jurkat Calyculin A Control Lysate

Cat. # JL9251

Size 100 μ l

Lysate Preparation:

Calyculin A is a serine/threonine phosphatase inhibitor that inhibits the activity of protein phosphatases PP1 and PP2A. Cells treated with calyculin A for 30 minutes can undergo significant threonine phosphorylation, as shown by western blotting using anti-Phospho-PTP1B (Ser-50), cat.# PP2411, as compared to untreated, control cell lysates.

Confluent cultures of Jurkat cells were serum starved for 2 hours. Cells were then either left untreated (Cat.# JL9251) or treated with Calyculin A (100 nM) for 30 minutes at 37°C (cat.# JL9261). 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% β -mercaptoethanol). Store at -20°C. Do not boil or dilute. Stable for 1 year.

Applications:

WB 20 μ l/lane

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

Related Products:

JL9261 Jurkat + Calyculin A Lysate
JL9401 Jurkat Pervanadate Control Lysate
JL9501 Jurkat + Pervanadate Lysate
PP2351 PTP1B (a.a.146-157) Rabbit Polyclonal
PM2341 PTP1B (C-terminal region) Mouse Monoclonal
PP2411 PTP1B (Ser-50), phospho-specific Rabbit Polyclonal

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