

## Lysate Preparation

PMA treatment of THP-1 monocytic leukemia cells is a common strategy for studies of mature monocyte function in vitro. Confluent cultures of THP-1 monocytic cells were either left untreated (Cat.# ML9611) or treated with PMA (1  $\mu$ M) for 72 hrs at 37°C (cat.# ML9621). Differentiated cells become adherent monocyte-like cells that exhibit many characteristics of mature monocytes. After 72 hrs, the 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

ML9621    Monocyte (PMA-differentiated) Lysate  
ML9571    Monocyte Calyculin A Control Lysate  
ML9581    Monocyte + Calyculin A Lysate  
ML9711    Monocyte Pervanadate Control Lysate  
ML9721    Monocyte + Pervanadate Lysate

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