

# Monocyte Pervanadate Control Lysate

Cat. # ML9711

Size 100  $\mu$ l

## **Lysate Preparation:**

Pervanadate is a protein tyrosine phosphatase inhibitor that is commonly used to increase tyrosine phosphorylation in cells. When cells are treated with pervanadate for 30 minutes they undergo significant tyrosine phosphorylation, as shown by western blotting using anti-Phosphotyrosine (PP2221).

Confluent cultures of THP-1 monocytic cells were serum starved for 2 hrs, then either left untreated (Cat.# ML9711) or treated with pervanadate (1 mM) for 30 minutes at 37°C (cat.# ML9721). Cells were lysed in 1% SDS, 1.0 mM sodium ortho-vanadate, 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  $-20^{\circ}\text{C}$ . 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:**

ML8701 Mouse Macrophage + Pervanadate Lysate  
ML9571 Monocyte Calyculin A Control Lysate  
ML9581 Monocyte + Calyculin A Lysate  
ML9611 Monocyte (PMA differentiated) Control Lysate  
ML9621 Monocyte (PMA-differentiated) Lysate  
PP2221 Anti-Phosphotyrosine Rabbit Polyclonal

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