

C2C12 Control Lysate

Cat. # CL8031

Size 100 μ 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.

C2C12 is a mouse muscle myoblast cell line that is useful for studies of myoblast and osteoblast differentiation. Confluent cultures of C2C12 cells were serum starved for 2 hrs, and then either left untreated (Cat.# CL8031) or treated with pervanadate (1 mM) for 30 minutes at 37°C (Cat.# CL8041). 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% 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:

AP1651 Actin (N-terminal Region) Rabbit Polyclonal
AP1671 Actin (Tyr-53), phospho-specific Rabbit Polyclonal
CL8021 C2C12 Normal Lysate
CL8041 C2C12 + Pervanadate Lysate

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