

Product Datasheet

Normal Mouse Spleen Whole Cell Lysate (orb348720)

Description

Normal Mouse Spleen Whole Cell

Conjugation

Unconjugated

Tested

SDS-PAGE, WB

Applications
Preservatives

Preservative: None. Stabilizer: 10% (v/v) Glycerol. 1X SDS-PAGE Sample Buffer (62.5 mM Tris HCl, 2% SDS, 10% Glycerol and 0.005% bromophenol blue, pH 6.8)

Form/Appearance

Liquid (sterile filtered)

Concentration

1.0 mg/ml

Storage

Store vial at -70° C or COLDER. For extended storage, aliquot contents to minimize freeze/thaw cycles.

Note

For research use only

Application notes

ready-to-use lysates are especially prepared as positive controls for separation by SDS-PAGE and subsequent western blot analysis. Lysates are prepared in denaturing buffer WITHOUT dissociating agents (i.e. no 2-mercaptoethanol or dithiothreitol has been added). Heat lysate to 95°C for 5 minutes and rapidly cool. If dissociating conditions are desired, add reducing agent prior to heating. The recommended loading volume per lane is 10-20 µl depending on the size format of your gel.

Purity

Tissues were washed exhaustively with PBS to remove blood and other debris. A lysate was prepared by homogenizing the tissue and washing the cells in cold PBS. Washed cells were incubated at 4° C in modified RIPA buffer containing 150 mM sodium chloride, 50 mM Tris Cl, pH 7.4, 1 mM EDTA, 1.0% NP-40, 0.5% sodium deoxycholic acid and 0.1% SDS to lyse the cells. Protein integrity is ensured using a cocktail of protease inhibitors with broad specificity for the inhibition of aspartic, cysteine, and serine proteases as well as aminopeptidases (0.1 mM AEBSF HCl, 0.08 mM Acetaminophen, 0.08 mM EDTA, 0.08 mM EGTA, 0.08 mM GTP, 0.08 mM HEPES, 0.08 mM NaCl, 0.08 mM NaF, 0.08 mM NaH₂PO₄, 0.08 mM NaHCO₃, 0.08 mM NaOH, 0.08 mM Na₂CO₃, 0.08 mM Na₂HPO₄, 0.08 mM Na₂SO₄, 0.08 mM Na₂SiF₆, 0.08 mM Na₂VO₄, 0.08 mM Na₂WO₄, 0.08 mM Na₂WO₆, 0.08 mM Na₂WO₇, 0.08 mM Na₂WO₈, 0.08 mM Na₂WO₉, 0.08 mM Na₂WO₁₀, 0.08 mM Na₂WO₁₁, 0.08 mM Na₂WO₁₂, 0.08 mM Na₂WO₁₃, 0.08 mM Na₂WO₁₄, 0.08 mM Na₂WO₁₅, 0.08 mM Na₂WO₁₆, 0.08 mM Na₂WO₁₇, 0.08 mM Na₂WO₁₈, 0.08 mM Na₂WO₁₉, 0.08 mM Na₂WO₂₀, 0.08 mM Na₂WO₂₁, 0.08 mM Na₂WO₂₂, 0.08 mM Na₂WO₂₃, 0.08 mM Na₂WO₂₄, 0.08 mM Na₂WO₂₅, 0.08 mM Na₂WO₂₆, 0.08 mM Na₂WO₂₇, 0.08 mM Na₂WO₂₈, 0.08 mM Na₂WO₂₉, 0.08 mM Na₂WO₃₀, 0.08 mM Na₂WO₃₁, 0.08 mM Na₂WO₃₂, 0.08 mM Na₂WO₃₃, 0.08 mM Na₂WO₃₄, 0.08 mM Na₂WO₃₅, 0.08 mM Na₂WO₃₆, 0.08 mM Na₂WO₃₇, 0.08 mM 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