Product Datasheet

MEF Whole Cell Lysate
NB800-PC10

Unit Size: 0.125 mg

Store at -70C. Avoid freeze-thaw cycles.

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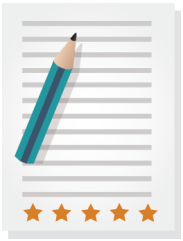


NB800-PC10

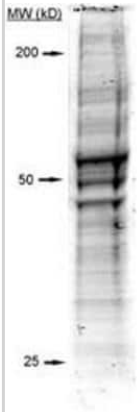
MEF Whole Cell Lysate

Product Information	
Unit Size	0.125 mg
Concentration	Please contact technical services for concentration.
Storage	Store at -70C. Avoid freeze-thaw cycles.
Preservative	No Preservative
Purity	Multi-step
Buffer	1X SDS-PAGE Sample Buffer (62.5 mM Tris HCl, 2% SDS, 10% Glycerol and 0.005% bromophenol blue, pH 6.8), 10% (v/v) Glycerol

Product Description	
Description	Store vial at -70C or COLDER. For extended storage, aliquot contents to minimize freeze/thaw cycles.
Species	Mouse
Preparation Method	The cells were grown in RPMI supplemented with 10% FBS (Fetal Bovine Serum). The lysate was prepared by first washing the cells in PBS. Washed cells are then incubated on ice in modified RIPA buffer containing 150 mM sodium chloride, 50 mM Tris Cl, pH 7.4, 1 mM EDTA, 1.0% NP-40, 0.25% sodium deoxycholic acid 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 uM Aprotinin, 5 uM Bestatin, 1.5 uM E-64, 2 uM Leupeptin Hemisulfate and 1 uM Pepstatin A). Phosphatase inhibitors include 1 mM Sodium Fluoride and 1mM Na3VO4. Cell debris was removed by membrane filtration. Protein concentration was determined by Lowry assay using a commercially available kit. The protein concentration was adjusted to 2 mg/ml and then an equal volume of 2X SDS-PAGE sample buffer was added.
Lysate Type	Cell
Lysate Subcellular Fraction	Whole

Product Application Details	
Applications	Western Blot, SDS-Page
Recommended Dilutions	Western Blot, SDS-Page
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 95C 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 ul depending on the size format of your gel.

Images

Western Blot: MEF Whole Cell Lysate [NB800-PC10] - Coomassie stain of 0.02 ml of NB 800-PC10 separated on a 4-20% gradient gel under non-reducing conditions.	

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Limitations
This product is for research use only and is not approved for use in humans or in clinical diagnosis. Lysates are guaranteed for 6 months from date of receipt.

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