

Positive Control Lysate for Mcl-1 Ab-1

Human Cells-23 Lysate

Cat. #MS-681-PCL (0.1 ml) (Ready-To-Use for Western Blotting)

Please note this data sheet has been changed effective December 19, 2011

Specificity and Comments:

Human cells-23 have a high level expression of Mcl-1 protein. **NEOMARKERS'** Ab-1 shows a band at ~42kDa on this positive control lysate. It may occasionally show an extra band at lower molecular weight on this positive control cell lysate. Mcl-1 is a member of the bcl-2 family. The carboxy terminal of Mcl-1 and bcl-2 share significant sequence homology. Expression of Mcl-1 is increased upon exposure of ML-1 cells to various types of DNA damaging agents (e.g. ionizing radiation, ultraviolet radiation, and alkylating drugs) along with increases in GADD45 and Bax and a decrease in bcl-2. Enhanced expression of Mcl-1, prominently associated with mitochondria, complements the continued expression of bcl-2 in ML-1 cells undergoing differentiation. Like bcl-2, Mcl-1 has the capacity to promote cell viability under conditions that otherwise cause apoptosis.

Supplied As:

250µg of total protein lysate in 0.1ml of 1X PAGE-sample buffer containing DTT.

Known Applications:

- Western Blotting (Use **NEOMARKERS'** Ab-1)
[Load 20ul of the positive control lysate onto one lane of mini-gel.]

Storage and Stability:

Store vial below 0°C. When stored below 0°C, this lysate is stable for 12 months.

Limitations and Warranty:

Our products are intended FOR RESEARCH USE ONLY and are not approved for clinical diagnosis, drug use or therapeutic procedures. No products are to be construed as a recommendation for use in violation of any patents. We make no representations, warranties or assurances as to the accuracy or completeness of information provided on our data sheets and website. Our warranty is limited to the actual price paid for the product. NeoMarkers is not liable for any property damage, personal injury, time or effort or economic loss caused by our products.

NEOMARKERS' Other Related Antibodies:

Mcl-1 (RC13, RC22, RC31), bcl-2 (100/D5, (DCS-60.2, HZ52, HJ21), p27^{KIP1} (DCS-72.F6), p53 (PAb 240, PAb1801, PAb 246, DO-1, DO-7, BP53-12, PAb 122), Retinoblastoma (1F8, XZ55, XZ91, XZ104, XZ133).

Material Safety Data:

This product is not licensed or approved for administration to humans or to animals. Standard Laboratory Practices should be followed when handling this material. The chemical, physical, and toxicological properties of this material have not been thoroughly investigated. Appropriate measures should be taken to avoid skin and eye contact, inhalation, and ingestion.

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