

**MOUSE ANTI-MCL-1
MONOCLONAL ANTIBODY****CATALOG NUMBER:** MAB4624**LOT NUMBER:****QUANTITY:** 50 µg**CONCENTRATION:****BACKGROUND:** 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.**SPECIFICITY:** MAB4624 recognizes a protein of 42 kDa, identified as Mcl-1 (Myeloid cell leukemia-1).**IMMUNOGEN:** Recombinant human Mcl-1 protein corresponding to aa 1-327.**ISOTYPE:** IgG₁**CLONE NAME:** RC31**APPLICATIONS:** Western Blot: 1 µg/ml for 2 hours at RT
Immunoprecipitation: 2 µg/mg of protein lysate

Optimal working dilutions must be determined by end user.

SPECIES REACTIVITIES: Human**FORMAT:** Purified immunoglobulin by Protein G**PRESENTATION:** Liquid in 10mM PBS, pH 7.4, with 0.2% BSA and 15mM sodium azide.**STORAGE/HANDLING:** Maintain at 2-8°C for up to 12 months.*For research use only; not for use in diagnostic procedures.***Important Note:** *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*

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