

Datasheet for ABIN969485

**anti-MCL-1 antibody**[Go to Product page](#)**3** Images**2** Publications

## Overview

Quantity:	100 µL
Target:	MCL-1 (MCL1)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This MCL-1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunocytochemistry (ICC)

## Product Details

Immunogen:	Purified recombinant fragment of human MCL-1 expressed in E. coli.
Clone:	8C6
Isotype:	IgG1
Purification:	purified

## Target Details

Target:	MCL-1 (MCL1)
Alternative Name:	MCL-1 ( <a href="#">MCL1 Products</a> )
Background:	Description: Mcl-1 (Myeloid cell leukemia-1) is Bcl-2-related and was identified as an early-induction gene that increased in expression during the differentiation of human myeloblastic leukemia cell ML-1, or exposure to different DNA damaging agents. The level of Mcl-1 is decreased in peripheral B lymphocytes undergoing apoptosis following treatment with

## Target Details

apoptotic stimuli such as TGF-alpha 1 and forskolin. Expression of Mcl-1 is able to delay apoptosis induced by over-expression of c-myc in CHO 5AHSmyc cells. In hematopoietic FDC-P1 cells, Mcl-1 interacts with another Bcl-2-related protein, Bax, and prolongs cell viability after treatment with different apoptotic reagents. This monoclonal antibody detected a 37kd MCL1 in BCBL-1 cell lysate.

Aliases: EAT, MCL1L, MCL1S

Molecular Weight: 37 kDa

Gene ID: 4170

HGNC: 4170

Pathways: [MAPK Signaling](#)

## Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000, ICC: 1:200 - 1:1000

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: Purified antibody in PBS containing 0.03 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C/-20 °C

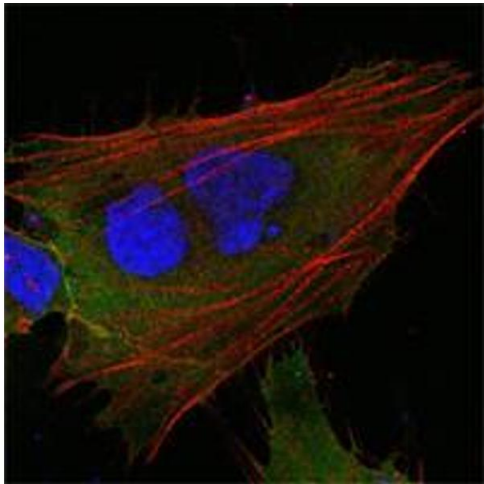
Storage Comment: 4°C, -20°C for long term storage

## Publications

Product cited in: Richert, Schwertfeger, Ryder, Anderson: "An atlas of mouse mammary gland development." in: **Journal of mammary gland biology and neoplasia**, Vol. 5, Issue 2, pp. 227-41, (2001) ([PubMed](#)).

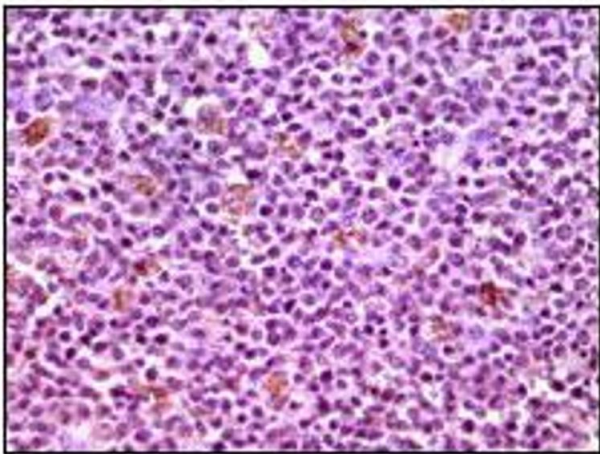
MacLachlan, Hébert: "Statement concerning euthanasia and physician-assisted suicide. Ethics Committee of the College of Family Physicians of Canada." in: **Canadian family physician**

Images



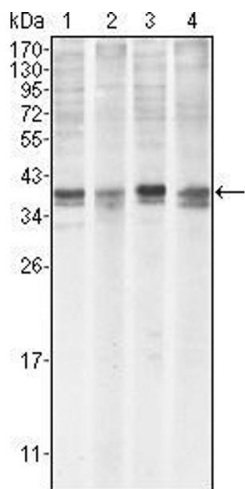
Immunofluorescence

**Image 1.** Confocal immunofluorescence analysis of HepG2 cells using MCL1 mouse mAb (green). Red: Actin filaments have been labeled with DY-554 phalloidin. Blue: DRAQ5 fluorescent DNA dye.



Immunohistochemistry

**Image 2.** Immunohistochemical analysis of paraffin-embedded human lymphnode tissues using MCL1 mouse mAb with DAB staining.



Western Blotting

**Image 3.** Western blot analysis using MCL1 mouse mAb against Hela (1), BCBL-1 (2), Jurkat (3) and HL60 (4) cell lysate.