



Rabbit Anti-MCL1 monoclonal antibody, clone TJ27-15 (CABT-L617)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	MCL1
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Clone	TJ27-15
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, ICC/IF, IHC, IP, FC
Molecular Weight	37/29 kDa
Cellular Localization	Membrane, Cytoplasm, Mitochondrion, Nucleus.
Positive Control	Raji, BT-20, Hela, HepG2, human pancreas tissue, human breast tissue, human kidney tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide

Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
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BACKGROUND

Introduction	B-cell CLL/lymphoma 2 (Bcl-2) blocks cell death following a variety of stimuli and confers a death-sparing effect to certain hematopoietic cell lines following growth factor withdrawal. Myeloid cell leukemia 1 (Mcl-1) shares sequence homology with Bcl-2 and further resembles Bcl-2 in that its expression promotes cell viability. p53 and Mcl-1 demonstrate opposing effects on mitochondrial apoptosis by mediating Bcl-2 antagonist killer (Bak) activity. Mcl-1 is an important and specific regulator that is necessary for the homeostasis of early hematopoietic progenitors. Glycogen synthase kinase 3 (GSK3) controls Mcl-1 stability, which has an effect on the regulation of apoptosis by growth factors, PI 3-kinase and AKT. Mice with a deficiency of the Mcl-1 protein show a significant reduction in B and T lymphocytes similar to the effects observed in IL-7- or IL-7R-deficient mice.
Keywords	Bcl 2 related protein EAT/mcl1;Bcl-2-like protein 3;Bcl-2-related protein EAT/mcl1;BCL2 related;Bcl2-L-3;BCL2L3;EAT;Induced myeloid leukemia cell differentiation protein Mcl 1;Induced myeloid leukemia cell differentiation protein Mcl-1;MCL 1;MCL1;MCL1-ES;mcl1/EAT;MCL1_HUMAN;MCL1L;MCL1S;MGC104264;MGC1839;Myeloid Cell Leukemia 1;Myeloid cell leukemia ES;Myeloid cell leukemia sequence 1;Myeloid cell leukemia sequence 1 BCL2 related;Myeloid cell leukemia sequence 1 isoform 1;OTTHUMP00000032794;OTTHUMP00000032795;TM antibody