

## MCL1

### Rabbit Anti-Mouse Myeloid Cell Leukemia sequence 1 (BCL2-related) Clone Poly6136 pAb

<b>Catalog No.</b>	CSI14266 CSI14267	<b>Quantity:</b>	50 µl 200 µl
<b>Alternate Names:</b>	TM, EAT, MCL1L, MCL1S, Mcl-1, BCL2L3, MCL1-ES, bcl2-L-3, mcl1/EAT, Myeloid cell leukemia-1		
<b>Description:</b>	Mcl-1 (myeloid cell leukemia-1) is a 37 kD Bcl-2 related protein found in mitochondrial and non-mitochondrial membranes that dimerizes with Bax. Mcl-1 has been shown to act as a survival factor for hematopoietic cells and contribute to the STAT-dependent protection of neutrophils against apoptosis. Mcl-1 is increased by PMA, GM-CSF, M-CSF, IL-1β, IL-3, and IL-6 in hematopoietic cells. This protein is decreased following growth factor withdrawal. Mcl-1 is modified by JNK phosphorylation. The Poly6136 antibody has been shown to recognize mouse Mcl-1 and has been shown to be useful for Western blotting.		
<b>Concentration:</b>	0.5 mg/ml		
<b>Gene ID:</b>	4170		
<b>Structure:</b>	Bcl-2 related protein; 37kD.		
<b>Distribution:</b>	Mitochondrial, nonmitochondrial membranes.		
<b>Host:</b>	Rabbit		
<b>Immunogen:</b>	Recombinant (partial)		
<b>Isotype:</b>	IgG		
<b>Clone:</b>	Poly6136		
<b>Function:</b>	Survival factor for hematopoietic cells, contributes to STAT-dependent protection of neutrophil apoptosis.		
<b>Formulation:</b>	This antibody is provided in phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 50% glycerol. Precaution: Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.		
<b>Purification:</b>	The antibody was purified by antigen-affinity chromatography.		
<b>Regulation:</b>	Increased by PMA, GM-CSF, M-CSF, IL-1β, IL-3, and IL-6 in hematopoietic cells. Decreased after growth factor withdrawal.		
<b>Reactivity:</b>	Mouse, Human		



**Applications:** Western Blot

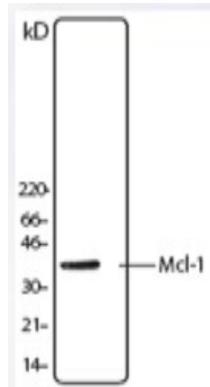
**Recommended Usage:** Each lot of this antibody is quality control tested by Western blotting. Western blotting, suggested working dilution(s): Use 10  $\mu$ l per 5 ml antibody dilution buffer for each mini-gel. It is recommended that the reagent be titrated for optimal performance for each application.

**Storage & Stability:** Upon receipt, store frozen at -20° C

**Modification:** Phosphorylation by JNK

**Interaction:** Dimerizes with Bax

A20 cell lysate was resolved by electrophoresis, transferred to nitrocellulose and probed with rabbit anti-Mcl-1 polyclonal antibody. Proteins were visualized using donkey anti-rabbit secondary antibody conjugated to HRP and a chemiluminescence detection system.



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