



# Anti-MCL1 monoclonal antibody, clone 21E21 (DCABH-431)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	Mouse monoclonal to MCL1
<b>Antigen Description</b>	Involved in the regulation of apoptosis versus cell survival, and in the maintenance of viability but not of proliferation. Mediates its effects by interactions with a number of other regulators of apoptosis. Isoform 1 inhibits apoptosis. Isoform 2 promotes apoptosis.
<b>Immunogen</b>	Recombinant full length Human MCL1 produced in HEK293T cells (NP_068779)
<b>Isotype</b>	IgG2a
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	21E21
<b>Purification</b>	Purified from mouse ascites fluids by affinity chromatography
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, IHC-P, Flow Cyt, ICC/IF
<b>Positive Control</b>	IHC-P: Kidney tissue; pancreas tissue ICC/IF: Transfected COS7 cells Flow Cyt: Transfected HEK293T cells WB: Transfected HEK293T cells
<b>Format</b>	Liquid
<b>Size</b>	100 µl
<b>Buffer</b>	pH: 7.30; Preservative: 0.02% Sodium azide; Constituents: 48% PBS, 1% BSA, 50% Glycerol

<b>Preservative</b>	0.02% Sodium Azide
<b>Storage</b>	store at -20°C. Avoid repeated freeze / thaw cycles.
<b>Ship</b>	Shipped at 4°C.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">MCL1 myeloid cell leukemia sequence 1 (BCL2-related) [ Homo sapiens ]</a>
<b>Official Symbol</b>	MCL1
<b>Synonyms</b>	MCL1; myeloid cell leukemia sequence 1 (BCL2-related); induced myeloid leukemia cell differentiation protein Mcl-1; BCL2L3; Mcl 1; bcl-2-like protein 3; myeloid cell leukemia ES; bcl-2-related protein EAT/mcl1; TM; EAT; MCL1L; MCL1S; Mcl-1; MCL1-ES; bcl2-
<b>Entrez Gene ID</b>	<a href="#">4170</a>
<b>Protein Refseq</b>	<a href="#">NP_001184249</a>
<b>UniProt ID</b>	<a href="#">A0A087WT64</a>
<b>Chromosome Location</b>	1q21
<b>Pathway</b>	Apoptosis, organism-specific biosystem; Direct p53 effectors, organism-specific biosystem; E2F transcription factor network, organism-specific biosystem; HIF-1-alpha transcription factor network, organism-specific biosystem; IL-7 Signaling Pathway, organism-specific biosystem; IL6-mediated signaling events, organism-specific biosystem;
<b>Function</b>	BH3 domain binding; protein binding; protein channel activity; protein heterodimerization activity;