



# Human MCL1 blocking peptide (CDBP1841)

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

## PRODUCT INFORMATION

|                            |  |
|----------------------------|--|
| <b>Product Overview</b>    | Blocking/Immunizing peptide for anti-MCL1 antibody   |
| <b>Antigen Description</b> | This gene encodes an anti-apoptotic protein, which is a member of the Bcl-2 family. Alternative splicing results in multiple transcript variants. The longest gene product (isoform 1) enhances cell survival by inhibiting apoptosis while the alternatively spliced shorter gene products (isoform 2 and isoform 3) promote apoptosis and are death-inducing. [provided by RefSeq, Oct 2010] |
| <b>Nature</b>              | Synthetic  |
| <b>Expression System</b>   | N/A  |
| <b>Species</b>             | Human  |
| <b>Species Reactivity</b>  | Human, Mouse, Cow, Dog, Pig, Rat   |
| <b>Conjugate</b>           | Unconjugated   |
| <b>Applications</b>        | Apuri, BL, ELISA   |
| <b>Procedure</b>           | None   |
| <b>Format</b>              | Lyophilized powder   |
| <b>Size</b>                | 100 µg   |
| <b>Preservative</b>        | None   |
| <b>Storage</b>             | Shipped at ambient temperature, store at -20°C.  |

## ANTIGEN 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-L-3; mcl1/EAT; MGC1839; MGC104264;   |
| <b>Entrez Gene ID</b>      | <a href="#">4170</a>  |
| <b>mRNA Refseq</b>         | <a href="#">NM_001197320</a>  |
| <b>Protein Refseq</b>      | <a href="#">NP_001184249</a>  |
| <b>UniProt ID</b>          | Q07820  |
| <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;   |