

Mouse Monoclonal Antibody to MCL-1

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| Catalogue Number | sAP-0027 |
| Target Molecule | <p>Name: MCL-1</p> <p>Aliases: EAT, MCL1L, MCL1S</p> <p>MW: 37kDa</p> <p>Entrez Gene ID: 4170</p> |
| 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 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. |
| Immunogen | Purified recombinant fragment of human MCL-1 expressed in E. Coli. ; |
| Recitative Species | Human |
| Clone | MM8C6; |
| Size and Concentration | 100µg/1mg/ml |
| Supplied as | Lyophilized Powder from 100µl of Purified antibody in PBS containing 0.03% sodium azide. |
| Reconstitution/Storages | Reconstituted with 100µl sterile DI H2O, at stored at 4°C or -20°C for short or long term storage |
| Applications | ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000; ICC: 1 to 200 - 1 to 1000 |
| Shipping | Regular FEDEX overnight shipment (ambient temperature) |
| Reference | 1. Ota, N. et al. J. Hum. Genet. 2000. 46: 254-269. ; 2. Schwertfeger KL, Ryder JW, Anderson SM J Mammary Gland Biol Neoplasia 2000, 3 : 236-251. ; ; ; ; ; |

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**