

Mouse Monoclonal Antibody to CTCF

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| Catalogue Number | sAP-0501 |
| Target Molecule | Name: CTCF Aliases: CTCF MW: 83kDa Entrez Gene ID: 10664 |
| Description | This gene is a member of the BORIS + CTCF gene family and encodes a transcriptional regulator protein with 11 highly conserved zinc finger (ZF) domains. This nuclear protein is able to use different combinations of the ZF domains to bind different DNA target sequences and proteins. Depending upon the context of the site, the protein can bind a histone acetyltransferase (HAT)-containing complex and function as a transcriptional activator or bind a histone deacetylase (HDAC)-containing complex and function as a transcriptional repressor. If the protein is bound to a transcriptional insulator element, it can block communication between enhancers and upstream promoters, thereby regulating imprinted expression. Mutations in this gene have been associated with invasive breast cancers, prostate cancers, and Wilms' tumors. |
| Immunogen | Purified recombinant fragment of human CTCF expressed in E. Coli. |
| Recitative Species | Human; Monkey |
| Clone | MM1D11; |
| Size and Concentration | 100µg/1mg/ml |
| Supplied as | Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide. |
| Reconstitution/Storages | Reconstituted with 100µl sterile DI H ₂ O, 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 |
| Shipping | Regular FEDEX overnight shipment (ambient temperature) |
| Reference | 1. J Mol Med. 2008 Sep;86(9):1057-66. ; 2. J Exp Med. 2008 Apr 14;205(4):785-98. ; 3. EMBO J. 2008 Feb 20;27(4):654-66. |

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**