

Mouse Monoclonal Antibody to CLOCK

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| Catalogue Number | sAP-0387 |
| Target Molecule | Name: CLOCK Aliases: KAT13D; bHLHe8; KIAA0334; CLOCK MW: 95kDa Entrez Gene ID: 9575 |
| Description | This gene encodes a protein that belongs to the basic helix-loop-helix (bHLH) family of transcription factors. Polymorphisms within the encoded protein have been associated with circadian rhythm sleep disorders. A similar protein in mice is a circadian regulator that acts as a transcription factor and forms a heterodimer with aryl hydrocarbon receptor nuclear translocator-like to activate transcription of mouse period 1. |
| Immunogen | Purified recombinant fragment of human CLOCK expressed in E. Coli. ; ; |
| Reactive Species | Human |
| Clone | MM8F7; |
| 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 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; ICC: 1 to 200 - 1 to 1000 |
| Shipping | Regular FEDEX overnight shipment (ambient temperature) |
| Reference | 1. Chronobiol Int. 2007;24(4):589-97. ; 2. Neurosci Lett. 2008 Apr 11;435(1):30-3. ; 3. Virchows Arch. 2009 Apr;454(4):467-74. |

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 end users! This product is sold for **Research Use Only**