

Mouse Monoclonal Antibody to MMP9

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| Catalogue Number | sAP-0601 |
| Target Molecule | Name: MMP9 Aliases: GELB; CLG4B; MMP-9; MANDP2 MW: 92kDa Entrez Gene ID: 4318 |
| Description | Proteins of the matrix metalloproteinase (MMP) family are involved in the breakdown of extracellular matrix in normal physiological processes, such as embryonic development, reproduction, and tissue remodeling, as well as in disease processes, such as arthritis and metastasis. Most MMP's are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. The enzyme encoded by this gene degrades type IV and V collagens. Studies in rhesus monkeys suggest that the enzyme is involved in IL-8-induced mobilization of hematopoietic progenitor cells from bone marrow, and murine studies suggest a role in tumor-associated tissue remodeling. |
| Immunogen | Purified recombinant fragment of human MMP9 expressed in E. Coli. ; |
| Recitative Species | Human |
| Clone | MM5G3; |
| 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; IHC: 1 to 200 - 1 to 1000; ICC: 1 to 200 - 1 to 1000; FCM: 1 to 200 - 1 to 400 |
| Shipping | Regular FEDEX overnight shipment (ambient temperature) |
| Reference | 1. IUBMB Life. 2009 Dec;61(12):1143-52. ; 2. J Biol Regul Homeost Agents. 2009 Oct-Dec;23(4):259-67. |

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**