

Mouse Monoclonal Antibody to CD14

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| Catalogue Number | sAP-0020 |
| Target Molecule | Name: CD14 Aliases: CD14 MW: N/A Entrez Gene ID: 929 |
| Description | CD14 antigen is a GPI-linked glycoprotein with a molecular weight of 55kD. The CD14 antigen is expressed on cells of the myelomonocytic lineage including monocytes, macrophages and Langerhans cells. Low expression is observed on neutrophils and on human B cells. CD14 antigen is a receptor for bacterial lipopolysaccharide (LPS, endotoxin) and the lipopolysaccharide binding protein (LBP). LBP and CD14 antigen serves two physiological roles. These proteins act as opsonin and opsonic receptor, respectively, to promote the phagocytic uptake of bacteria or LPScoated particles by macrophages. |
| Immunogen | Purified recombinant fragment of human CD14 expressed in E. Coli. |
| Recombinant Species | Human |
| Clone | MM5A3; |
| 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 H ₂ O, at stored at 4°C or -20°C for short or long term storage |
| Applications | ELISA: 1 to 10000; IHC: 1 to 200 - 1 to 1000; FCM: 1 to 200 - 1 to 400 |
| Shipping | Regular FEDEX overnight shipment (ambient temperature) |
| Reference | 1. J Mammary Gland Biol Neoplasia 2000, 5 : 227-241. ; 2. J Mammary Gland Biol Neoplasia 2000, 5 : 165 -185. |

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**