

Mouse Monoclonal Antibody to CHIT1

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| Catalogue Number | sAP-0251 |
| Target Molecule | Name: CHIT1 Aliases: Chitotriosidase; CHI3; CHIT; FLJ00314; MGC125322; CHIT1 MW: N/A Entrez Gene ID: 1118 |
| Description | CHIT1:chitinase 1 (chitotriosidase). Chitotriosidase is a 50 kDa secreted glycoprotein that belongs to glycohydrolase family # 18. It is secreted by activated human macrophages and is markedly elevated in plasma of Gaucher disease patients. The expression of chitotriosidase occurs only at a late stage of differentiation of monocytes to activated macrophages in culture. Human macrophages can synthesize a functional chitotriosidase, a highly conserved enzyme with a strongly regulated expression. This enzyme may play a role in the degradation of chitin-containing pathogens. |
| Immunogen | Purified recombinant fragment of CHIT1 (aa22-137) expressed in E. Coli. ; |
| Reactive Species | Human |
| Clone | MM1D9G2; |
| 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. Sarcoidosis Vasc Diffuse Lung Dis. 2007 Mar;24(1):59-64. ; 2. Clin Biochem. 2007 Mar;40(5-6):365-9. |

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**