SM1152A

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Monoclonal Antibody to CD64 - Azide Free

Alternate names: CD64, FCG1, FCGR1, FCGR1A, Fc gamma RI, Fc-gamma RI, FcRI, High Affinity Immunoglobulin gamma Fc Receptor I, IGFR1, IgG Fc Receptor I

Catalog No.: SM1152A

Quantity: 1 mg

Concentration: 1.0 mg/ml

Background: CD64 is a 75kD glycoprotein expressed by monocytes. The antigen acts as a high affinity receptor for human IgG, and is also known as FcRI.

Host / Isotype: Mouse / IgG1

Clone: 10.1

Immunogen: Human monocytes. Spleen cells from immunised BALB/c mice were fused with cells of the mouse SP2/0-Ag14 myeloma cell line.

Format:
State: Liquid purified IgG
Purification: Affinity chromatography on Protein G
Buffer System: PBS

Applications: Flow cytometry: 1:50 - 1:100; use 10 µl of diluted antibody to label 10e6 cells in 100µl. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: This antibody recognises the CD64 cell surface antigen. This antibody blocks binding of immunoglobulin to FcRI.
Species: Human, Cynomolgus monkey, Baboon, Rhesus Monkey.
Other species not tested.

Storage: Store the antibody at -20°C.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

General Readings:
1. Dougherty GJ, Selvendran Y, Murdoch S, Palmer DG, Hogg N. The human mononuclear phagocyte high-affinity Fc receptor, FcRI, defined by a monoclonal antibody, 10.1. Eur J Immunol. 1987 Oct;17(10):1453-9. PubMed PMID: 3500057.
2. Yoshino N, Ami Y, Terao K, Tashiro F, Honda M. Upgrading of flow cytometric analysis for absolute counts, cytokines and other antigenic molecules of cynomolgus monkeys (Macaca fascicularis) by using anti-human cross-reactive antibodies. Exp Anim. 2000 Apr;49(2):97-110. PubMed PMID: 10889948.