

Recombinant CD64/FCGR1 Monoclonal Antibody

catalog number: **AN300472P**

Note: Centrifuge before opening to ensure complete recovery of vial contents.

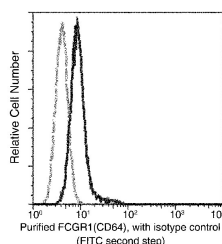
Description

Reactivity	Mouse
Immunogen	Recombinant Mouse CD64/FCGR1 protein
Host	Rabbit
Isotype	IgG
Clone	B402
Purification	Protein A
Buffer	0.2 µm filtered solution in PBS

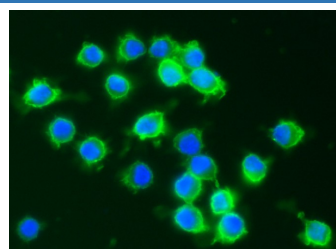
Applications Recommended Dilution

ICC/IF	1:20-1:100
FCM	1:25-1:100

Data



Flow cytometric analysis of Mouse FCGR1(CD64) expression on Raw264.7 cells. Cells were stained with purified anti-Mouse FCGR1(CD64), then a FITC-conjugated second step antibody. The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of intact cells.



Immunofluorescence analysis of Mouse FCGR1 in Raw264.7 cells. Cells were fixed with 4% PFA, blocked with 10% serum, and incubated with rabbit anti-mouse FCGR1 monoclonal antibody (1:60) at 37°C 1 hour. Then cells were stained with the Alexa Fluor® 488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue). Positive staining was localized to cells membrane.

Preparation & Storage

Storage	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Shipping	Ice bag

Background

CD64 is a 72 kD single chain type I glycoprotein also known as FcγRI and FcRI. CD64 is a member of the immunoglobulin superfamily and is expressed on monocytes/macrophages, dendritic cells, and mast cells. The expression can be upregulated by IFN-γ stimulation. CD64 binds IgG immune complex. It plays a role in antigen capture, phagocytosis of IgG/antigen complexes, and antibody-dependent cellular cytotoxicity (ADCC).

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