Recombinant CD16-2/FCGR4 Monoclonal Antibody

catalog number: AN300462P

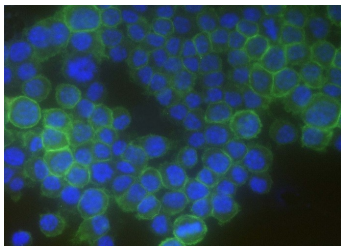
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

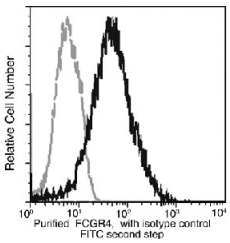
Reactivity	Mouse
Immunogen	Recombinant Mouse FCGR4 protein
Host	Rabbit
Isotype	IgG
Clone	B388
Purification	Protein A
Buffer	0.2 μm filtered solution in PBS

Applications	Recommended Dilution
ICC/IF	1:50-1:1000
FCM	1:25-1:100

Data



Immunofluorescence analysis of Mouse FcGR4 in RAW264.7 cells. Cells were fixed with 4% PFA, blocked with 10% serum, and incubated with Rabbit anti-Mouse FcGR4 monoclonal antibody (1:100) at 4°C overnight. 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 plasma membrane.



Flow cytometric analysis of FCGR4 expression on Raw264.7 cells. Mouse leukaemic monocyte macrophage cell line RAW 264.7 were stained with anti-mouse FCGR4, then a FITC-conjugated second step antibody. The histogram were derived from the gated events based on light scattering characteristics of lymphocytes.

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

FcgRIV, also known as CD16-2, is an intermediate-affinity activating receptor for IgG2a and IgG2b. CD16-2 is the mouse homolog of human FcgRIIIA. CD16-2 is a low-affinity IgE receptor for all allotypes and the ligation of FcgRIV by antigen-IgE immune complexes promotes macrophage-mediated phagocytosis and is involved in lung inflammation.

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