Recombinant SIGNR1/CD209b Monoclonal Antibody

catalog number: AN300523P

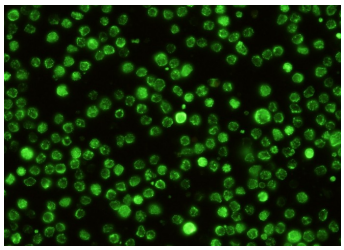
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

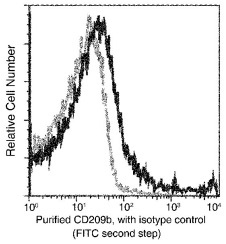
Reactivity	Mouse
Immunogen	Recombinant Mouse SIGNR1/CD209b protein
Host	Rabbit
Isotype	IgG
Clone	8A1
Purification	Protein A
Buffer	0.2 μm filtered solution in PBS

Applications	Recommended Dilution
ICC/IF	1:20-1:100

Data



Immunofluorescence analysis of Mouse CD209B in mouse splenocytes. Cells were fixed with 4% PFA, blocked with 10% serum, and incubated with rabbit anti-mouse CD209B 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).



Flow cytometric analysis of Mouse CD209b expression on BABL/c splenocytes. Cells were stained with purified anti-Mouse CD209b, 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.

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

CD209B, also known as SIGN-R1, is a mouse C-type lectin receptor predominantly expressed on macrophages in the spleen marginal zone and lymph nodes medulla. CD209B is a mouse homolog of human CD209/DC-SIGN and is involved in innate immune response. CD209B mediates the recognition and uptake of pathogen products, such as lipopolysaccharides (LPS), pneumococcal polysaccharides, and dextrans. CD209B has been demonstrated to facilitate the clearance of encapsulated pneumococcus by directly binding to C1q and activating complement through an immunoglobulin independent pathway.

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