

TECHNICAL DATA SHEET

APC Anti-Mouse CD209b (SIGN-R1) (22D1)

Catalog Number: 20-2093

PRODUCT INFORMATION

Contents: APC Anti-Mouse CD209b (SIGN-R1) (22D1)

Isotype: Armenian Hamster IgG

Concentration: 0.2 mg/mL

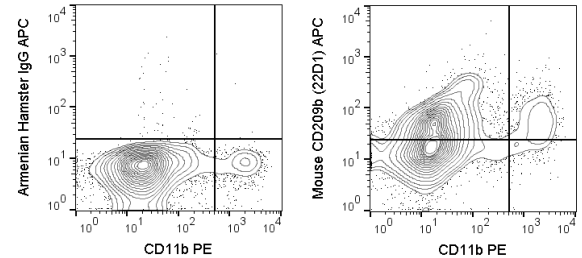
Clone: 22D1

Reactivity: Mouse

Use By: 12 months from date of receipt

Storage Conditions: 2-8°C protected from light

Formulation: 10 mM NaH₂PO₄, 150 mM NaCl, 0.09% NaN₃,
0.1% gelatin, pH7.2



C57Bl/6 splenocytes were stained with PE Anti-Mouse CD11b (50-0112) and 0.25 ug APC Anti-Mouse CD209b (20-2093) (right panel) or 0.25 ug APC Armenian Hamster IgG isotype control (left panel).

DESCRIPTION

The 22D1 monoclonal antibody reacts with mouse CD209b, also known as SIGN-R1. CD209b is a single-pass type II transmembrane C-type lectin. SIGN-R1 is expressed on marginal zone macrophages in the spleen and on lymph node medullary macrophages. Mouse CD209b is one of five homologues to human CD209 (DC-SIGN) and functions to mediate the uptake of encapsulated organisms.

PREPARATION & STORAGE

This monoclonal antibody was purified from tissue culture supernatant via affinity chromatography. The purified antibody was conjugated under optimal conditions, with unreacted dye removed from the preparation. It is recommended to store the product undiluted at 4°C, and protected from prolonged exposure to light. Do not freeze.

APPLICATION NOTES

This antibody preparation has been quality-tested for flow cytometry using mouse spleen cells, or an appropriate cell type (where indicated). Please refer to the figure legend for the optimal concentration used to stain the tissue shown. We recommend titrating the antibody under your specific conditions to determine the optimal concentration of antibody needed in your experimental system.

REFERENCES

Park JY, Choi HJ, Prabagar MG, Choi WS, Kim SJ, Cheong C, Park CG, Chin CY, Kang YS. 2009. *Neurosci Lett.* 450(3):246-251. Saunders SP, Barlow JL, Walsh CM, Bellsoi A, Smith P, McKenzie AN, Fallon PG. 2010. *J Immunol.* 184(5):2627-2637. Zhou Y, Kawasaki H, Hsu SC, Lee RT, Yao X, Plunkett B, Fu J, Yang K, Lee YC, Huang SK. 2010. *Nat Med.* 16(10):1128-33.

Tonbo Biosciences tests all antibodies by flow cytometry. Citations are provided as a resource for additional applications that have not been validated by Tonbo Biosciences. Please choose the appropriate format for each application and consult Materials and Methods sections for additional details about the use of any product in these publications.

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