

TECHNICAL DATA SHEET

Biotin Anti-Mouse CD16 / CD32 (2.4G2)

Catalog Number: 30-0161

PRODUCT INFORMATION

Contents: Biotin Anti-Mouse CD16 / CD32 (2.4G2)

Isotype: Rat IgG2b

Concentration: 0.5 mg/mL

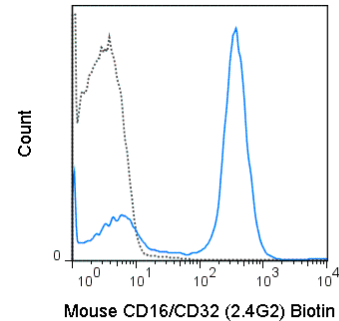
Clone: 2.4G2

Reactivity: Mouse

Use By: 12 months from date of receipt

Storage Conditions: 2-8°C

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



C57Bl/6 splenocytes were stained with 0.25 ug Biotin Anti-Mouse CD16/CD32 (30-0161) (solid line) or 0.25 ug Biotin Rat IgG2b isotype control (dashed line), followed by Streptavidin PE.

DESCRIPTION

The 2.4G2 antibody is specific for a common epitope found in the extracellular regions of mouse Fc-receptors Fc-gamma II (CD32) and Fc-gamma III (CD16). These receptors are expressed by B cells, monocytes, macrophages, NK cells, dendritic cells, and neutrophils.

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

Stephen TL, Wilson BS, and Laufer TM. 2012. Proc. Natl. Acad. Sci. 109: 7415-7420. (Blocking- Immunofluorescence microscopy) Yamaji O, Nagaishi T, Totsuka T, Onizawa M, Suzuki M, Tsuge et al. 2012. J. Immunol. 188:2524-2536. (Blocking - in vitro) Shimazu T, Iida R, Zhang Q, Welner RS, Medina KL, Alberola-Ila J, and Kincade PW. 2012. Blood. 119:4889-4897. (Blocking – Flow cytometry) Stoeker L, Nordone S, Gunderson S, Zhang L, Kajikawa A, LaVoy A, Miller M, Klaenhammer TR, and Dean GA. 2011. Clin. Vaccine Immunol. 18: 1834-1844. (Blocking – Flow cytometry) Beretta F, St.-Pierre J, Piccirillo CA, and Stevenson MM. 2011. J. Immunol. 186: 4862-4871. (Blocking - Flow cytometry) Coudert JD, Scarpellino L, Gros F, Vivier E, and Held W. 2008 Blood. 111: 3571-3578. (Immunoprecipitation)

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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