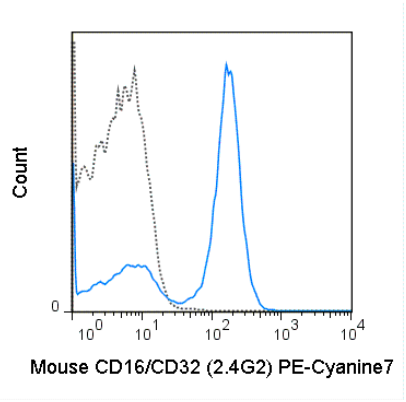
TECHNICAL DATA SHEET

PE-Cyanine7 Anti-Mouse CD16 / CD32 (2.4G2)

Catalog Number: 60-0161

PRODUCT INFORMATION

Contents:	PE-Cyanine7 Anti-Mouse CD16 / CD32 (2.4G2)
Isotype:	Rat IgG2b
Concentration:	0.2 mg/mL
Clone:	2.4G2
Reactivity:	Mouse
Use By:	6 months from date of receipt
Storage Conditions:	2-8°C protected from light
Formulation:	10 mM NaH_2PO_4, 150 mM NaCl, 0.09% NaN_3, 0.1% gelatin, pH7.2



C57Bl/6 splenocytes were stained with 0.25 ug PE-Cyanine7 Anti-Mouse CD16/CD32 (60-0161) (solid line) or 0.25 ug PE-Cyanine7 Rat IgG2b isotype control (dashed line).

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.