

TECHNICAL DATA SHEET

Biotin Anti-Human CD20 (2H7)

Catalog Number: 30-0209

PRODUCT INFORMATION

Contents: Biotin Anti-Human CD20 (2H7)

Isotype: Mouse IgG2b, kappa

Concentration: 0.5 mg/mL

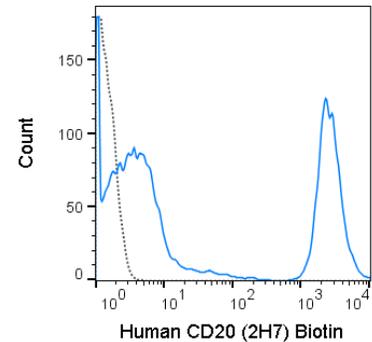
Clone: 2H7

Reactivity: Human

Use By: 12 months from date of receipt

Storage Conditions: 2-8°C

Formulation: 10 mM NaH₂PO₄, 150 mM NaCl, 0.09% NaN₃, pH 7.2



Human peripheral blood lymphocytes were stained with 0.25 ug Biotin Anti-Human CD20 (30-0209) (solid line) or 0.25 ug Biotin Mouse IgG2b isotype control (dashed line), followed by Streptavidin PE.

DESCRIPTION

The 2H7 antibody reacts with human CD20, expressed by pre-B cells, resting and activated B cells, follicular dendritic cells and a small subset of T cells, but not on plasma cells. CD20 is a 33-37 kDa transmembrane protein which is differentially phosphorylated in resting and active B cells. The CD20 molecule plays a role in regulating B-cell activation. The 2H7 antibody is reported to be cross-reactive with several non-human species including Baboon, Chimpanzee, Cynomolgus and Rhesus. Please choose the appropriate format for each application.

PREPARATION & STORAGE

This monoclonal antibody was purified from tissue culture supernatant via affinity chromatography. The purified antibody was conjugated under optimal conditions, with unreacted biotin 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 an appropriate cell type (as 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

- Liu AY, Robinson RR, Murray Jr ED, Ledbetter JA, Hellstrom I and Hellstrom KE. 1987. *J Immunol.* 139(10): 3521-3526.
 Schlossman S, Bloumsell L, et al. eds. 1995. *Leucocyte Typing V: White Cell Differentiation Antigens.* Oxford University Press. New York.
 Deans JP, Kalt E, Ledbetter JA, Schieven GL, Bolen JB and Johnson P. 1995. *J Biol Chem.* 270: 22632-22638. (Flow cytometry)
 Polyak MJ and Deans JP. 2002. *Blood.* 99(9): 3256-3262. (Flow cytometry, Immunoprecipitation)
 Brown KN, Trichel A and Barratt-Boyes SM. 2007. *J Immunol.* 178(11): 6958-6967. (Flow cytometry - Rhesus)

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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