

CD20 Rat Anti-Mouse Monoclonal Antibody (clone AISB12) PE Conjugate

Store at 2°C to 8°C

Pub. No. MAN0008186 Rev. 1.00

Catalog No.	Form	Amount	Excitation	Peak Emission
A15833	PE	25 µg (0.2 mg/mL)	496 nm	578 nm

Clone	AISB12
Host/Class	Rat IgG _{2a}
Description	The CD20 Rat Anti-Mouse Monoclonal Antibody reacts with mouse CD20, a 33–36 kDa transmembrane phosphoprotein involved in intracellular calcium regulation. It is expressed from the late pro-B cell stage, increasing in level until reaching maturity, upon which expression disappears. It also expressed at low levels on a subset of mature T cells.
Alternate Names	B1, Ms4a2, Ly-44
Applications*	FC (mouse splenocytes), FUNC ¹
Storage Buffer	The reagent is provided in aqueous buffer with 0.09% sodium azide, and may contain carrier protein/stabilizer.
Storage	Store reagents in the dark at 2° to 8°C. Do not freeze. If the reagent is being diluted, it is recommended that only the quantity to be used within one week be diluted. Avoid prolonged light exposure with fluorochrome-conjugated antibodies. Use dim light during handling, incubation with cells, and prior to analysis.
Stability	When stored as instructed, expires one year from date of receipt unless otherwise indicated on Certificate of Analysis.
Lot Number	See product label.
References	<ol style="list-style-type: none"> 1. Qian J, Zheng Y, Zheng C, Wang L, Qin H, Hong S, Li H, Lu Y, He J, Yang J, Neelapu S, Kwak LW, Hou J, Yi Q. Active vaccination with Dickkopf-1 induces protective and therapeutic antitumor immunity in murine multiple myeloma. <i>Blood</i>. 2012 Jan 5;119(1):161-9. 2. Uchida J, Hamaguchi Y, Oliver JA, Ravetch JV, Poe JC, Haas KM, Tedder TF. The innate mononuclear phagocyte network depletes B lymphocytes through Fc receptor-dependent mechanisms during anti-CD20 antibody immunotherapy. <i>J Exp Med</i>. 2004 Jun 21;199(12):1659-69. 3. Uchida J, Lee Y, Hasegawa M, Liang Y, Bradney A, Oliver JA, Bowen K, Steeber DA, Haas KM, Poe JC, Tedder TF. Mouse CD20 expression and function. <i>Int Immunol</i>. 2004 Jan;16(1):119-29. 4. Tedder TF, Klejman G, Disteché CM, Adler DA, Schlossman SF, Saito H. Cloning of a complementary DNA encoding a new mouse B lymphocyte differentiation antigen, homologous to the human B1 (CD20) antigen, and localization of the gene to chromosome 19. <i>J Immunol</i>. 1988 Dec 15;141(12):4388-94.

* Because conditions may vary, it is recommended that each investigator determine the optimal amount of antibody to be used for each application.

FC = flow cytometry; FUNC = functional assay; ICC = immunocytochemistry; IHC(F) = immunohistochemistry (frozen sample); IHC(P) = immunohistochemistry (paraffin embedded sample); IP = immunoprecipitation; RIA = radioimmunoassay; WB = western blot

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Manufacturing site: 7335 Executive Way | Frederick, MD 21704 | Toll Free in USA 800.955.6288

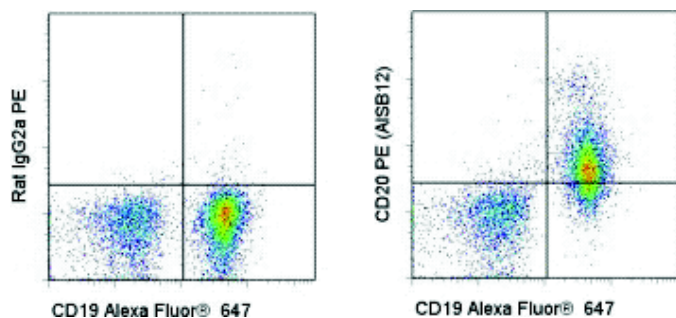


Figure 1 Staining of BALB/c splenocytes with CD20 Rat Anti-Mouse PE Conjugate (Cat. no. A15833).

Staining of BALB/c splenocytes with 0.125 µg of CD20 Rat Anti-Mouse PE Conjugate (right), or a mouse CD19 Alexa Fluor® 647 conjugate and 0.125 µg of a rat IgG2a kappa PE conjugate isotype control (left) or. Cells in the lymphocyte gate were used for analysis.

Explanation of Symbols

The symbols present on the product label are explained below:

Symbol	Description	Symbol	Description	Symbol	Description
	Manufacturer		Catalog number		Batch code
	Use by		Temperature limitation		
	Consult instructions for use		Caution, consult accompanying documents		

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