Datasheet for 200-508-N81

CD19 Phycoerythrin Antibody

Overview

Description:	Anti-CD19 (RAT) Phycoerythrin Conjugated Monoclonal Antibody - 200-508-N81
Item No.:	200-508-N81
Size:	200 µg
Applications:	FC
Reactivity:	Mouse
Host Species:	Rat

Product Details

Background:	CD19 is a 95 kD glycoprotein also known as B4. It is a member of the Ig superfamily, expressed on all pro-B to mature B cells (during development) and follicular dendritic cells. Plasma cells do not express CD19. CD19, in association with CD21 and CD81, forms a molecular complex integral to B cell activation.
Synonyms:	B-lymphocyte antigen CD19, Differentiation antigen CD19, CD19, Cd19
Host Species:	Rat
Conjugate:	R-Phycoerythrin (RPE)
Clonality:	Monoclonal
Clone ID:	6D5
Format:	IgG2a
F/P Ratio:	1-2

Target Details

Gene Name:	Cd19
Reactivity:	Mouse
Immunogen Type:	Other
Immunogen:	Anti-CD19 Antibody (Monoclonal) was produced by repeated immunizations with Mouse CD19-expressing K562 human erythroleukemia cells.

Purity/Specificity:	Phycoerythrin conjugated CD19 Monoclonal Antibody was purified from tissue culture supernatant via affinity chromatography and is directed against mouse CD19. Cross-reactivity with CD19 from other sources has not been tested. Anti-CD19 is conjugated with PE under optimal conditions and the solution is free of unconjugated PE.
Relevant Links:	• UniProtKB - P25918 • NCBI - NP_033974.2 • GeneID - 12478

Application Details

Tested Applications:	FC
Application Note:	Anti-CD19 is tested for Flow Cytometry using mouse spleen cells, or an appropriate cell type (where indicated). Researchers should determine optimal titers for applications that are not stated.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
FC:	10 µL/10^6 cells (0.1 µg)
IP:	User Optimized

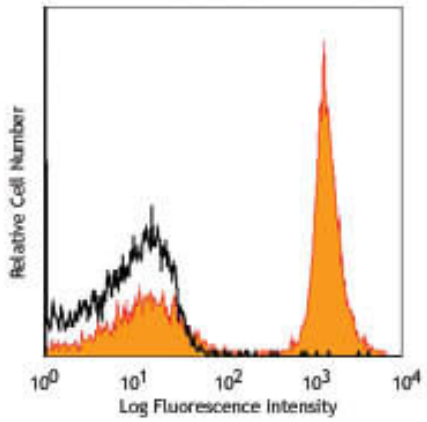
Formulation

Physical State:	Liquid (sterile filtered)
Buffer:	0.01 M Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.09% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	Store vial at 4° C prior to opening. Dilute only prior to immediate use. This product is stable at 4° C as an undiluted liquid. Use subdued lighting during handling and incubation of cells prior to analysis. Store reagent in the dark. DO NOT FREEZE.
Expiration:	Expiration date is six (6) months from date of receipt.

Images



Flow Cytometry
Flow Cytometry of anti-CD19 Phycoerythrin Conjugated Monoclonal Antibody. Cells: C57BL/6 mouse splenocytes. Stimulation: none. Antibody: (Black) PE Rat IgG2a isotype control; (Filled Line) Phycoerythrin Anti-CD19 antibody.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.