

PerCP/Fire™ 780 anti-human CD19 Recombinant Antibody

Catalog# / Size	309515 / 25 tests 309516 / 100 tests
Clone	QA18A75
Regulatory Status	RUO
Other Names	B4
Isotype	Mouse IgG1, κ
Description	CD19, also known as B4, is a 95 kD type I transmembrane glycoprotein. It is a member of the immunoglobulin superfamily expressed on B-cells (from pro-B to blastoid B cells, absent on plasma cells) and follicular dendritic cells. CD19 is involved in B cell development, activation, and differentiation. CD19 forms a complex with CD21 (CR2) and CD81 (TAPA-1), and functions as a BCR co-receptor.

Product Details

Verified Reactivity	Human
Antibody Type	Recombinant
Host Species	Mouse
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA)
Preparation	The antibody was purified by affinity chromatography and conjugated with PerCP/Fire™ 780 under optimal conditions.
Concentration	Lot-specific (to obtain lot-specific concentration and expiration, please enter the lot number in our Certificate of Analysis online tool.)
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.
Application	FC - Quality tested
Recommended Usage	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis . For flow cytometric staining, the suggested use of this reagent is 5 μ L per million cells in 100 μ L staining volume or 5 μ L per 100 μ L of whole blood. It is recommended that the reagent be titrated for optimal performance for each application. * PerCP/Fire™ 780 has a maximum excitation of 478 nm and a maximum emission of 780 nm.
Excitation Laser	Blue Laser (488 nm)
Application Notes	From in-house testing, clone QA18A75 blocks binding of clone HIB19 on target cells.
RRID	AB_3717220 (BioLegend Cat. No. 309515) AB_3717220 (BioLegend Cat. No. 309516)

Antigen Details

Structure	Ig superfamily, type I transmembrane glycoprotein, 95 kD
Distribution	B lineage (except plasma cells), follicular dendritic cells
Function	B cell activation and differentiation

Interaction	CD21 (CR2), CD81 (TAPA-1), BCR
Cell Type	B cells, Leukemia, Lymphocytes
Biology Area	Adaptive Immunity, Immuno-Oncology, Signal Transduction
Molecular Family	CD Molecules
Antigen References	1. Tedder TF, <i>et al.</i> 1994. <i>Immunol. Today</i> 15:437-42. 2. Bradbury LE, <i>et al.</i> 1993. <i>J Immunol.</i> 151:2915-27.
Gene ID	930

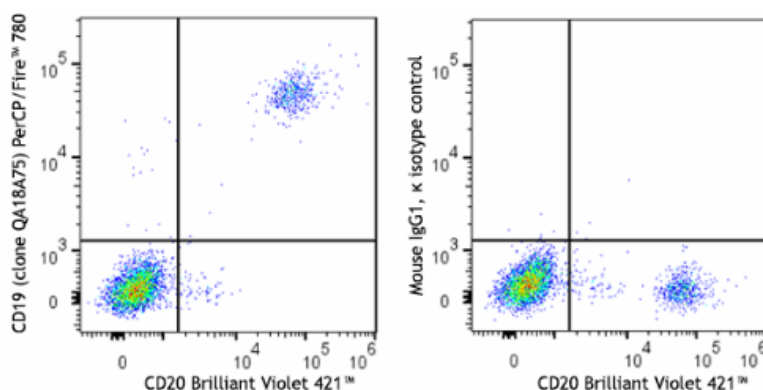
Related Protocols

- [Cell Surface Flow Cytometry Staining Protocol](#)

Other Formats

Purified anti-human CD19 Recombinant Antibody, PE anti-human CD19 Recombinant Antibody, PerCP/Cyanine5.5 anti-human CD19 Recombinant Antibody, APC anti-human CD19 Recombinant Antibody, PE/Cyanine7 anti-human CD19 Recombinant Antibody, FITC anti-human CD19 Recombinant Antibody, PerCP/Fire™ 780 anti-human CD19 Recombinant Antibody

Product Data



Human peripheral blood lymphocytes were stained with anti-human CD20 (clone 2H7) Brilliant Violet 421™ and anti-human CD19 recombinant (clone QA18A75) PerCP/Fire™ 780 (left) or mouse IgG1, κ PerCP/Fire™ 780 isotype control (right).

For Research Use Only. Not for diagnostic or therapeutic use.

This product is supplied subject to the terms and conditions, including the limited license, located at www.biolegend.com/terms ("Terms") and may be used only as provided in the Terms. Without limiting the foregoing, BioLegend products may not be used for any Commercial Purpose as defined in the Terms, resold in any form, used in manufacturing, or reverse engineered, sequenced, or otherwise studied or used to learn its design or composition without express written approval of BioLegend. Regardless of the information given in this document, user is solely responsible for determining any license requirements necessary for user's intended use and assumes all risk and liability arising from use of the product. BioLegend is not responsible for patent infringement or any other risks or liabilities whatsoever resulting from the use of its products.

BioLegend, the BioLegend logo, and all other trademarks are property of BioLegend, Inc. or their respective owners, and all rights are reserved.

8999 BioLegend Way, San Diego, CA 92121 www.biolegend.com
Toll-Free Phone: 1-877-Bio-Legend (246-5343) Phone: (858) 768-5800 Fax: (877) 455-9587