

Datasheet for 200-302-N24**CD19 Fluorescein Antibody****Overview**

Description:	Anti-CD19 (MOUSE) Fluorescein Conjugated Monoclonal Antibody - 200-302-N24
Item No.:	200-302-N24
Size:	500 µL
Applications:	FC
Reactivity:	Human
Host Species:	Mouse

Product Details

Background:	CD19 is a 95 kD type I transmembrane glycoprotein also known as B4. 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.
Synonyms:	B-lymphocyte antigen CD19, B-lymphocyte surface antigen B4, Differentiation antigen CD19, T-cell surface antigen Leu-12, CD19
Host Species:	Mouse
Conjugate:	Fluorescein (FITC)
Clonality:	Monoclonal
Clone ID:	HIB19
Format:	IgG1
F/P Ratio:	4-6

Target Details

Gene Name:	CD19
Reactivity:	Human
Immunogen:	Anti-CD19 Antibody (Monoclonal) was produced by repeated immunizations with CD19 antigen.

Purity/Specificity: Fluorescein conjugated CD19 Monoclonal Antibody was purified from tissue culture supernatant via affinity chromatography and is directed against human CD19. Reactivity is observed against human CD19 and chimpanzee. Cross reactivity with CD19 from other sources has not been tested. Anti-CD19 is conjugated with FITC under optimal conditions and the solution is free of unconjugated FITC.

Relevant Links:

- [UniProtKB - P15391](#)
- [NCBI - NP_001171569.1](#)
- [GeneID - 930](#)

Application Details

Tested Applications:	FC
Application Note:	Anti-CD19 is tested for Flow Cytometry. 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:	5 ul/1x10e6 cells or 100µL of whole blood

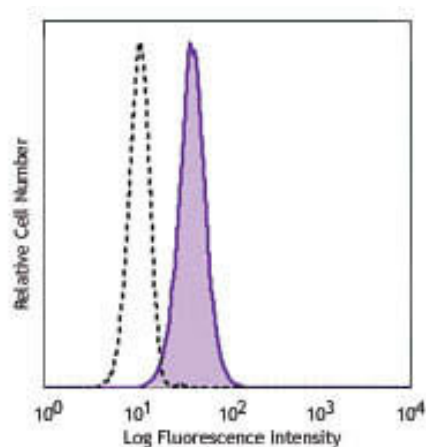
Formulation

Physical State:	Liquid (sterile filtered)
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.09% (w/v) Sodium Azide
Stabilizer:	0.2% BSA (w/v)

Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	Store vial at 4° C prior to opening. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use. DO NOT FREEZE. This product is light sensitive.
Expiration:	Expiration date is six (6) months from date of receipt.

Images

**Flow Cytometry**

Flow Cytometry of Mouse anti-CD19 Fluorescein Conjugated Monoclonal Antibody. Cells: human peripheral blood lymphocytes. Stimulation: none. Antibody: (BLUE) FITC Mouse IgG1 kappa isotype control; (GREEN) Fluorescein Anti-CD19 mouse antibody using 5 μ l.

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.