

Datasheet for ABIN6655428
anti-CD19 antibody (APC)

2 Images



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Overview

Quantity:	500 µL
Target:	CD19
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD19 antibody is conjugated to APC
Application:	Flow Cytometry (FACS), Immunohistochemistry (IHC)

Product Details

Purpose:	CD19 Allophycocyanin Antibody
Immunogen:	Anti-CD19 Antibody (Monoclonal) was produced by repeated immunizations with CD19 antigen.
Clone:	HIB19
Isotype:	IgG1 kappa
Cross-Reactivity (Details):	Reactivity is observed against human CD19.
Purification:	Allophycocyanin conjugated CD19 Monoclonal Antibody was purified from tissue culture supernatant via affinity chromatography and is directed against human CD19.
Sterility:	Sterile filtered
Labeling Ratio:	1-2

Target Details

Target:	CD19
Alternative Name:	CD19 (CD19 Products)
Background:	<p>Synonyms: B-lymphocyte antigen CD19, B-lymphocyte surface antigen B4, Differentiation antigen CD19, T-cell surface antigen Leu-12, CD19</p> <p>Background: The HIB19 antibody reacts with human CD19, 95 kDa glycoprotein which acts as a co-receptor, along with CD21, CD81 and CD225, in support of the functional B cell receptor (BCR). This complex provides antigen-specific recognition and subsequent activation of B cells to proliferate and differentiate into antibody-secreting cells (plasma cells) or memory B cells, which are crucial for secondary antigen encounter. CD19 is a lineage-differentiation marker, as its expression is detectable at the earliest B cell stages, through development, and is finally lost upon transition to mature plasma cells. The HIB19 antibody is widely used as a phenotypic marker for CD19 expression on B cells, as well as on dendritic cell subsets.</p> <p>Gene Name: CD19</p>
Gene ID:	930
NCBI Accession:	NP_001171569
UniProt:	P15391
Pathways:	Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Neurotrophin Signaling Pathway

Application Details

Application Notes:	Immunohistochemistry_Dilution: User Optimized Flow_Cytometry_Dilution: 5µL/test/1x10e5 to 1x10e8 cells
Comment:	Anti-CD19 is tested for Flow Cytometry and useful in Immunohistochemistry. Researchers should determine optimal titers for applications that are not stated.
Restrictions:	For Research Use only

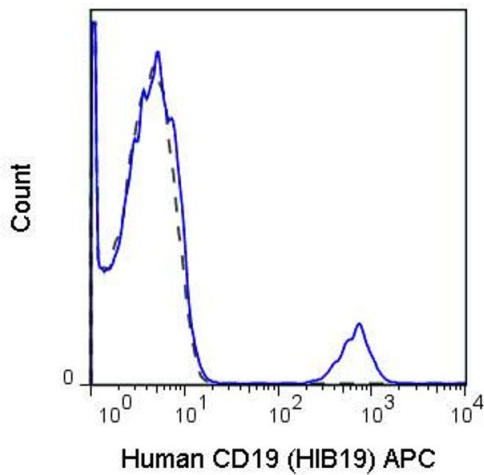
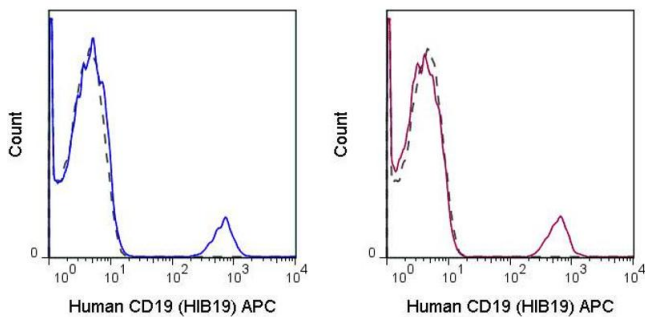
Handling

Format:	Liquid
Buffer:	Buffer: 0.01 M Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: 0.1 % Gelatin Preservative: None

Handling

Preservative:	Without preservative
Storage:	4 °C
Storage Comment:	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.
Expiry Date:	6 months

Images



Flow Cytometry

Image 1. Flow Cytometry - Mouse anti-CD19 APC Flow Cytometry of Mouse anti-CD19 Allophycocyanin Conjugated Monoclonal Antibody. Cells: human peripheral blood lymphocytes. Stimulation: none. Antibody: (Dotted Line) 0.125 µg APC Mouse IgG1 isotype control; (BLUE) Allophycocyanin Anti-CD19 mouse antibody; (RED) Allophycocyanin Anti-CD19 mouse antibody using 5 ul (0.125 µg).

Flow Cytometry

Image 2. Flow Cytometry - Mouse anti-CD19 APC Flow Cytometry of Mouse anti-CD19 Allophycocyanin Conjugated Monoclonal Antibody. Cells: human peripheral blood lymphocytes. Stimulation: none. Antibody: (Dotted Line) 0.25 µg APC Mouse IgG1 isotype control; (BLUE) Allophycocyanin Anti-CD19 mouse antibody using 5 ul (0.25 µg).