

Human CD19 PE-conjugated Antibody

Monoclonal Mouse IgG₁ Clone # 4G7-2E3

Catalog Number: FAB4867P

100 TESTS

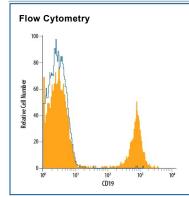
DESCRIPTION			
Species Reactivity	Human		
Specificity	Detects human CD19.		
Source	Monoclonal Mouse IgG ₁ Clone # 4G7-2E3		
Purification	Protein A or G purified from hybridoma culture supernatant		
Immunogen	Human CLL cells		
Conjugate	Phycoerythrin Excitation Wavelength: 488 nm Emission Wavelength: 565-605 nm		
Formulation	Supplied in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details.		
	*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.		

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

	Recommended Concentration	Sample
Flow Cytometry	10 μL/10 ⁶ cells	See Below

DATA



Detection of CD19 in Human Blood Lymphocytes by Flow Cytometry. Human peripheral blood lymphocytes were stained with Mouse Anti-Human CD19 PE-conjugated Monoclonal Antibody (Catalog # FAB4867P, filled histogram) or isotype control antibody (Catalog # IC002P, open histogram). View our protocol for Staining Membrane-associated Proteins.

PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage

Protect from light. Do not freeze.

• 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

CD19 is a 95 kDa transmembrane glycoprotein with two Ig-like C2-set domains. CD19 regulates B cell development and activation through interactions with CD21, CD22, and the B cell receptor. CD19 polymorphisms and up-regulation lead to the development of autoimmunity by promoting autoantibody production. Within the extracellular domain, human CD19 (Accession # P15391) shares 57% amino acid sequence identity with mouse and rat CD19.

