Human CD19 PerCP-conjugated Antibody

Monoclonal Mouse IgG_1 Clone # 4G7-2E3

Catalog Number: FAB4867C
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	PerCP (Peridinin-chlorophyll Protein Complex) Excitation Wavelength: 482 and 564 nm Emission Wavelength: 675 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.

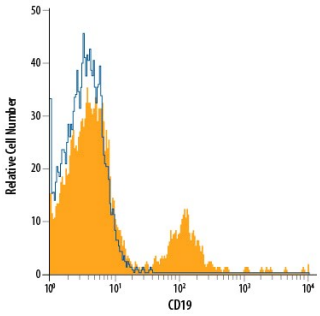
APPLICATIONS

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

Flow Cytometry



Detection of CD19 in Human Blood Lymphocytes by Flow Cytometry. Human peripheral blood lymphocytes were stained with Mouse Anti-Human CD19 PerCP-conjugated Monoclonal Antibody (Catalog # FAB4867C, filled histogram) or isotype control antibody (Catalog # IC002C, 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.

www.RnDSystems.com For research use only. Not for use in humans.
USA & CANADA Tel: (800) 343-7475 **EUROPE** Tel: +44 (0)1235 529449 **CHINA** Tel: +86 (21) 52380373