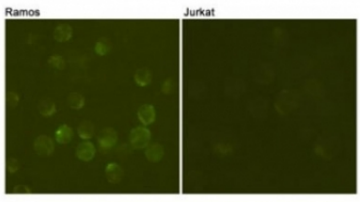
CD19 Antibody [clone 3G7-C10] (F54045)

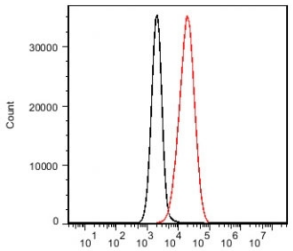
Catalog No.	Formulation	Size
F54045-0.1ML	In PBS with 50% glycerol and 0.03% ProClin 300	0.1 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1
Clone Name	3G7-C10
Purity	Protein G affinity
UniProt	P15391
Localization	Cell surface, cytoplasmic
Applications	ICC/IF: 1:100 FACS: suitable
Limitations	This CD19 antibody is available for research use only.



ICC/IF testing of Ramos cells (positive cell line, left) and Jurkat cells (negative cell line, right) using CD19 antibody at 1:100.



FACS testing of Jurkat T cells (black, negative cell line) and Ramos B cells (red, positive cell lilne), using CD19 antibody.

Description

Lymphocytes proliferate and differentiate in response to various concentrations of different antigens. The ability of the B cell to respond in a specific, yet sensitive manner to the various antigens is achieved with the use of low-affinity antigen receptors. The CD19 gene encodes a cell surface molecule that assembles with the antigen receptor of B lymphocytes in order to decrease the threshold for antigen receptor-dependent stimulation. [Wiki]

Researchers studying B cell markers and immune cell signaling may also be interested in our CD19 Antibody / B Cell Marker Antibody page, featuring a Protein Microarray Validated recombinant monoclonal antibody for B lymphocyte detection and immunology research.

Application Notes

The stated application concentrations are suggested starting points. Titration of the CD19 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Storage

Store the CD19 antibody at -20oC.

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