Biotinylated Anti-human CD19 Antibody (FMC63, Human IgG1 Fc Silent Kappa) | PA007743.h1Fs-b

Catalog No.: PA007743.h1Fs-b | **Product Name:** Biotinylated Recombinant Anti-human CD19 Monoclonal Antibody (Clone: FMC63), Human IgG1 Fc Silent Kappa | **Biotin-Conjugated / Recombinant Monoclonal Antibody**

Recombinant anti-human CD19 monoclonal antibody (Clone FMC63), engineered for flow cytometry applications and recombinantly expressed in mammalian cells. Variable regions are derived from the gold-standard mouse anti-human CD19 clone FMC63, providing high-affinity targeting of human B-lineage cells.

PRODUCT SPECIFICATIONS

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Product Name	Biotinylated Recombinant Anti-human CD19 Monoclonal Antibody (Clone: FMC63), Human IgG1 Fc Silent Kappa
Supplier / Brand	Syd Labs, Inc. / Syd Labs
Clone	FMC63
Isotype	Human IgG1 Fc Silent Kappa
Source / Host	The site-directed biotinylated recombinant anti-human CD19 monoclonal antibody (clone: FMC63) was produced in mammalian cells.
Specificity/Sensitivity	The site-directed biotinylated recombinant FMC63 antibody specifically binds to the human CD19 protein.
Applications	Flow cytometry (FC) with various dye conjugation through streptavidin; conjugation to streptavidin agarose beads or streptavidin magnetic beads.
Form Of Antibody	0.2 μM filtered solution, pH 7.4, no stabilizers or preservatives.
Conjugate	Biotin-conjugated.
Purity	>95% by SDS-PAGE under reducing conditions.
Shipping	The FMC63 antibody is shipped with ice pack. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70°C as supplied. 1 month from date of receipt, 2 to 8°C as supplied.
Note	Recombinant mouse IgG2a isotype controls and Recombinant human IgG1 isotype controls are available. Condition of sample preparation and optimal sample dilution should be determined experimentally by the investigator.

BACKGROUND & APPLICATION INFORMATION

Recombinant human IgG1 monoclonal antibody with site-directed biotinylation through the Avi tag at the C-terminus of the antibody heavy chain.

The FMC63 antibody binds to the human CD19 protein, a transmembrane protein expressed in all B lineage cells including human plasma cells. CD19 plays two major roles in human B cells: it acts as an adaptor protein to recruit cytoplasmic signaling proteins to the membrane, and works within the CD19/CD21 complex to decrease the threshold for B cell receptor signaling pathways. CD19 is a biomarker for B lymphocyte development, lymphoma diagnosis and can be utilized as a target for leukemia immunotherapies.

Order & Contact Information

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Offline Order: With formal purchase order (PO) or credit card