PA007511.h1Fs: Recombinant Anti-human CD19 Monoclonal Antibody (Clone: 4G7) for Flow Cytometry, Human IgG1 Fc Silent Kappa, In vivo Grade

Catalog No.: PA007511.h1Fs | **Product Name:** Recombinant Anti-human CD19 Monoclonal Antibody (Clone: 4G7), Human IgG1 Fc Silent Kappa

Recombinant Human IgG1 isotype controls are available. Condition of sample preparation and optimal sample dilution should be determined experimentally by the investigator.

PRODUCT SPECIFICATIONS

Catalog No.	PA007511.h1Fs
Product Name	Recombinant Anti-human CD19 Monoclonal Antibody (Clone: 4G7), Human IgG1 Fc Silent Kappa
Supplier Name	Syd Labs, Inc.
Brand Name	Syd Labs
Synonyms	B-lymphocyte antigen CD19, Cluster of Differentiation 19, B-Lymphocyte Surface Antigen B4, T-Cell Surface Antigen Leu-12, CVID3
Clone	4G7.
Isotype	Human IgG1 Fc Silent Kappa
Source/Host	The recombinant anti-human CD19 monoclonal antibody (clone: 4G7) for Flow Cytometry was produced in mammalian cells.
Specificity/Sensitivity	The recombinant 4G7 antibody for Flow Cytometry specifically binds to the human CD19 protein.
Applications	Flow cytometry (FC), and Immunohistochemistry - Frozen (IHC-F).
Form Of Antibody	0.2 uM filtered solution, pH 7.4, containing 0.09% sodium azide.
Conjugate	Non-conjugated.
Purity	>95% by SDS-PAGE under reducing conditions.
Shipping & Storage	The Recombinant Anti-human CD19 Monoclonal Antibody (Clone: 4G7) for Flow Cytometry, Human IgG1 Fc Silent Kappa 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, 2 to 8°C as supplied. Do not freeze it.

REFERENCES & BACKGROUND

The 4G7 antibody binds to the human CD19 protein, a transmembrane protein expressed across B cell development stages. CD19 regulates B cell activation thresholds and serves as a critical target in immunophenotyping and leukemia/lymphoma research.

Engineered with a Human IgG1 Fc-silent domain, this variant eliminates non-specific Fc receptor-mediated binding during flow cytometric analyses and immunophenotyping assays.