PA007283.h1Fs: Recombinant Anti-human CD19 Monoclonal Antibody (Clone: SJ25C1) for Flow Cytometry, Human IgG1 Fc Silent Kappa, In vivo Grade

Catalog No.: PA007283.h1Fs | **Product Name:** Recombinant Anti-human CD19 Monoclonal Antibody (Clone: SJ25C1), Human IgG1 Fc Silent Kappa

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

PRODUCT SPECIFICATIONS

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Product Name	Recombinant Anti-human CD19 Monoclonal Antibody (Clone: SJ25C1), 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	SJ25C1.
Isotype	Human IgG1 Fc Silent Kappa
Source/Host	The recombinant anti-human CD19 monoclonal antibody (clone: SJ25C1) for Flow Cytometry was produced in mammalian cells.
Specificity/Sensitivity	The recombinant SJ25C1 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 and HPLC.
Shipping & Storage	The Recombinant Anti-human CD19 Monoclonal Antibody (Clone: SJ25C1) 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 SJ25C1 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.

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