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# Purified Anti-Human CD19 Antibody[SJ25C1]

catalog number: AN003340P

Note: Centrifuge before opening to ensure complete recovery of vial contents.

#### **Description**

Reactivity Human

Immunogen Recombinant Human CD19 protein

Host Mouse

**Isotype** Mouse IgG1, κ

Clone SJ25C1

**Purification** >98%, Protein A/G purified

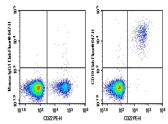
**Buffer** Phosphate-buffered solution, pH 7.2, containing 0.05% non-protein stabilizer.

Dialyze to completely remove the stabilizer prior to labeling.

## Applications Recommended Dilution

**FCM** 2  $\mu$ g/mL(0.5×10<sup>6</sup>-1×10<sup>6</sup> cells)

#### Data



Human peripheral blood lymphocytes were stained with 0.2  $\mu$ g Purified Anti-Human CD19 Antibody[SJ25C1] (Right) and 0.2  $\mu$ g Mouse IgG1,  $\kappa$  Isotype Control (Left), followed by

Elab Fluor<sup>®</sup> 647-conjugated Goat Anti-Mouse IgG Secondary Antibody, then anti-Human CD22 PE-conjugated Monoclonal Antibody.

## **Preparation & Storage**

Storage Storage Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze /

thaw cycles.

Shipping Ice bag

### **Background**

CD19 protein is a 95 kDa transmembrane glycoprotein that plays a central role in B cell activation and humoral immune responses . CD19 is expressed throughout B cell development from pre-B cells through mature B cells, and it is commonly used as a B cell lineage marker . It is required for the responsiveness of mature B cell to antigen stimulation, germinal center development, and antibody affinity maturation . The CD19 protein associates with the B cell antigen receptor (BCR), CD81, CD38, CD21, CD22, and IFITM1/CD225/Leu13. These associations enable CD19 to amplify B cell signaling and reduce the threshold for antigen stimulation through the BCR.

For Research Use Only

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