

Purified Anti-Human CD19 Antibody[HIB19]

Catalog Number: GF008610P

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

Description

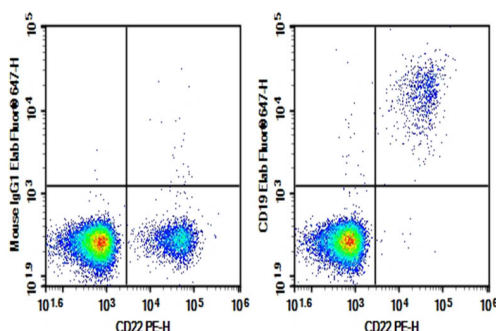
Reactivity	Human
Immunogen	Recombinant Human CD19 protein
Host	Mouse
Isotype	Mouse IgG1, κ
Clone	HIB19
Purification	>98%, Protein A/G purified
Conjugation	Unconjugated
Buffer	PBS, pH 7.2. Contains 0.05% proclin 300.

Applications

Recommended Dilution

FCM	2 $\mu\text{g/mL}$ (0.5×10^6 - 1×10^6 cells)
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Data



Human peripheral blood lymphocytes cell were stained with 0.2 μg Purified Anti-Human CD19 Antibody[HIB19] (Right) and 0.2 μg Mouse IgG1, κ Isotype Control (Left), followed by

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

Preparation & 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.