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AF/LE Purified Anti-Human CD19 Antibody[4G7]

catalog number: E-AB-F11270

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 4G7

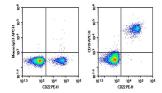
Purification >98%, Protein A/G purified

Buffer Sterile PBS, pH 7.2. < 1.0 EU per mg of the antibody as determined by the LAL

method.

Applications	Recommended Dilution
FCM	2 μg/mL(0.5×10 ⁶ -1×10 ⁶ cells)

Data



Human peripheral blood lymphocytes were stained with 0.2 μ g AF/LE Purified Anti-Human CD19 Antibody[4G7] (Right) and 0.2 μ g Mouse IgG1, κ Isotype Control (Left), followed by APC-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. This preparation contains no preservatives, thus it should be handled

under aseptic conditions.

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.

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