Elabscience®

Tel:240-252-7368(USA)
Fax: 240-252-7376(USA)
techsupport@elabscience.com
Website: www.elabscience.com

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

Catalog No.	E-AB-F11270	**Reactivity**	Human
Storage	Store at 2~8℃, Avoid freeze / thaw cycles	**Applications**	FA,FCM

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

Antigen Information

Alternate Names	B4, CVID3,B-lymphocyte antigen CD19,B-lymphocyte surface antigen B4,T-cell surface antigen Leu-12
Uniprot ID	P15391
Background	CD19 is a 95 kD type I transmembrane glycoprotein also known as B4. It is a member of the immunoglobulin superfamily expressed on B-cells (from pro-B to blastoid B cells, absent on plasma cells) and follicular dendritic cells. CD19 is involved in B cell development, activation, and differentiation. CD19 forms a complex with CD21 (CR2) and CD81 (TAPA-1), and functions as a BCR co-receptor.

Product Details

Form	Liquid
Concentration	0.5 mg/mL
Size	50μg/500μg/1mg
Clone No.	4G7
Host	Mouse
Isotype	Mouse IgG1, κ
Reactivity	Human
Application	FA,FCM
Isotype Control	AF/LE Purified Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F097930]
Storage Buffer	0.2 μm filtered in PBS, pH7.2. Azide Free (AF)/Low Endotoxin (LE): Contains no stabilizers or preservatives. Endotoxin level is < 2 EU/mg as Determined by LAL gel clotting assay.
Shipping	Biological ice pack at 4 ℃
Stability & Storage	Keep as concentrated solution. Store at 2~8℃ and protected from prolonged exposure to light.Do not freeze. This product is guaranteed up to one year from purchase.

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Fluorophore

Conjugation: None (Purified antibody-Azide Free/Low endotoxin)

Recommended usage

Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is ≤ 1 μg per 10^6 cells in 100 μL volume or 100 μL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

Related Information

1. Sample Preparation for Flow Cytometry https://www.elabscience.com/List-detail-5594.html
2. Staining Cell Surface Targets for Flow Cytometry https://www.elabscience.com/List-detail-5568.html
3. Flow Cytometry Troubleshooting Tips https://www.elabscience.com/List-detail-5593.html
4. How to select the appropriate detection channel through the spectrogram? https://www.elabscience.com/List-detail-459742.html

Applications:Activ- Activation; Block- Blocking; Separation- Cell Separation ; Cell Sep-Neg- Cell Separation by Negative Selection; FA-Functional Assay; Neut- Neutralization; Stim- Stimulation; FCM- Flow Cytometry; ICFCM: Intracellular Staining for Flow Cytometry; WB-Western Blotting; IHC- Immunohistochemistry; IF- Immunofluorescence; IP- Immunoprecipitation