

PE Conjugated Anti-CD19 Antibody [PSH13-44]

HA723763F



Product Type:	Recombinant Rabbit monoclonal IgG, primary antibodies
Species reactivity:	Human
Applications:	FC
Molecular Wt:	Predicted band size: 61 kDa
Clone number:	PSH13-44

Description: B-lymphocyte antigen CD19, also known as CD19 molecule (Cluster of Differentiation 19), B-Lymphocyte Surface Antigen B4, T-Cell Surface Antigen Leu-12 and CVID3 is a transmembrane protein that in humans is encoded by the gene CD19. In humans, CD19 is expressed in all B lineage cells. Contrary to some early doubts, human plasma cells do express CD19. CD19 plays two major roles in human B cells: on the one hand, it acts as an adaptor protein to recruit cytoplasmic signaling proteins to the membrane; on the other, it works within the CD19/CD21 complex to decrease the threshold for B cell receptor signaling pathways. Due to its presence on all B cells, it is a biomarker for B lymphocyte development, lymphoma diagnosis and can be utilized as a target for leukemia immunotherapies.

Conjugate: PE

Immunogen: Recombinant protein within human CD19 aa 1-291.

Positive control: Human peripheral blood cells.

Subcellular location: Cell membrane, Membrane raft.

Database links: SwissProt: P15391 Human

Recommended Dilutions:
FC 5 μ l per million cells in 100 μ l staining volume or 5 μ l per 100 μ l of whole blood.

Storage Buffer: 1*PBS (pH7.4), 1% BSA, 40% Glycerol, 0.2% Proclean 950.

Storage Instruction: Store at 2°C to 8°C. Avoid repeated freeze / thaw cycles.

Purity: Protein A affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders:0086-571-88062880

Technical:0086-571-89986345

Service mail:support@huabio.cn

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Images

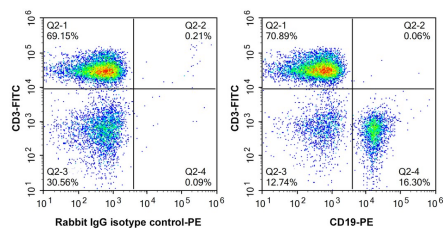


Fig1: Flow cytometric analysis of human peripheral blood cells labelling CD19 (HA723763F, PE) and CD3 (HA600116F, FITC).

Cells were washed twice with cold PBS and resuspend. Then incubated for 1 hour at +4°C with CD19 (HA723763F, PE, 1/1,000) compared with Rabbit IgG Isotype Control (PE, 1/1,000).

Note: All products are “FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE”.

Background References

1. Pecher AC et al. CD19-Targeting CAR T Cells for Myositis and Interstitial Lung Disease Associated With Antisynthetase Syndrome. JAMA. 2023 Jun
2. Fischbach F et al. CD19-targeted chimeric antigen receptor T cell therapy in two patients with multiple sclerosis. Med. 2024 Jun

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