APC Conjugated Anti-Human CD3 Antibody [PSH04-92] HA600118F

Product Type:	Recombinant Mouse monoclonal IgG1, primary antibodies
Species reactivity:	Human
Applications:	FC
Molecular Wt:	Predicted band size: 23 kDa
Clone number:	PSH04-92

Description: CD3 (cluster of differentiation 3) is a protein complex and T cell co-receptor that is involved in activating both the cytotoxic T cell (CD8+ naive T cells) and T helper cells (CD4+ naive T cells). It is composed of four distinct chains. In mammals, the complex contains a CD3γ chain, a CD3δ chain, and two CD3ε chains. These chains associate with the T-cell receptor (TCR) and the CD3-zeta (ζ-chain) to generate an activation signal in T lymphocytes. The TCR, CD3-zeta, and the other CD3 molecules together constitute the TCR complex.

Conjugate: APC

Immunogen: Recombinant protein within Human CD3 23-126.

Positive control: Human peripheral blood lymphocytes.

Subcellular location: Cell membrane.

Database links: SwissProt: P07766 Human

Recommended Dilutions:

FC 5 µl per million cells in 100 µl staining volume or 5 µl per 100 µl of whole blood.

Storage Buffer: Supplied in phosphate-buffered solution, pH 7.2, containing 0.2% ProClean 950 and BSA.

Storage Instruction: Store at 2-8℃. Avoid freeze.

Purity: Protein A affinity purified.

Images

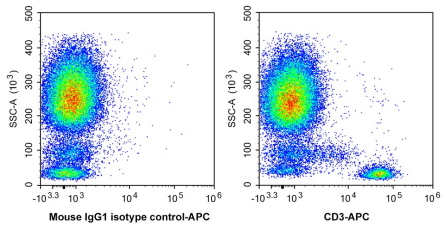

Fig1: Flow cytometric analysis of human peripheral blood lymphocytes labelling Human CD3 (HA600118F, APC).

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

Background References

1. LeFevre JD et al. Anti-CD3 monoclonal antibodies for the prevention and treatment of type 1 diabetes: A literature review. Am J Health Syst Pharm. 2022 Nov
2. Chen Y et al. Cholesterol inhibits TCR signaling by directly restricting TCR-CD3 core tunnel motility. Mol Cell. 2022 Apr