

FITC Conjugated Anti-Human CD3 Antibody [PSH04-92] HA600116F



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 CD3 γ chain, a CD3 δ chain, and two CD3 ϵ 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: FITC-conjugated

Immunogen: Recombinant protein within

Positive control: Human peripheral blood lymphocytes.

Subcellular location: Cell membrane.

Database links: SwissProt: P07766 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: Supplied in phosphate-buffered solution, pH 7.2, containing 0.2% ProClean 950 and BSA.

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

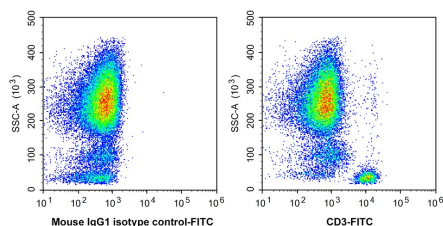


Fig1: Flow cytometry analysis of human peripheral blood lymphocytes labelling Human CD3 (HA600116F, FITC).

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

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