

FITC Conjugated Anti-Mouse CD3 Recombinant Antibody [PSH04-98] - Rabbit IgG (Chimeric)

HA720199F



Product Type:	Recombinant Chimeric Antibody IgG, primary antibodies
Species reactivity:	Mouse
Applications:	FC
Molecular Wt:	Predicted band size: 21 kDa
Clone number:	PSH04-98

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.

Positive control: Mouse spleen.

Subcellular location: Cell membrane.

Database links: SwissProt: P22646 Mouse

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 2-8°C. Avoid freeze.

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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Applications: WB=Western blot IHC-P=Immunohistochemistry (paraffin) IF-Cell=Immunofluorescence (Cell) IF-Tissue=Immunofluorescence (Tissue) FC=Flow cytometry IP=Immunoprecipitation

Images

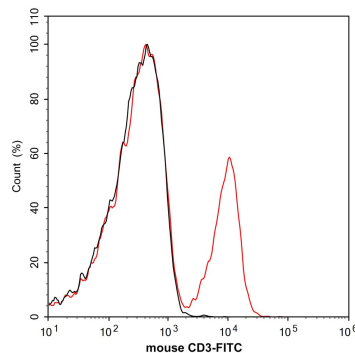


Fig1: Flow cytometric analysis of mouse spleen labeling Mouse CD3.

Cells were washed twice with cold PBS and resuspend. Then stained with the primary antibody (HA720199F, 1µg/mL) (red). Unlabelled sample was used as a control (cells without incubation with primary antibody; black).

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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