

FITC Conjugated Anti-Human CD8 alpha Antibody [PSH04-94]

HA600122F



Product Type:	Recombinant Mouse monoclonal IgG1, primary antibodies
Species reactivity:	Human
Applications:	FC
Molecular Wt:	Predicted band size: 26 kDa
Clone number:	PSH04-94

Description: The CD8 antigen is a cell surface glycoprotein found on most cytotoxic T lymphocytes that mediates efficient cell-cell interactions within the immune system. The CD8 antigen, acting as a coreceptor, and the T-cell receptor on the T lymphocyte recognize antigen displayed by an antigen-presenting cell (APC) in the context of class I MHC molecules. The functional coreceptor is either a homodimer composed of two alpha chains, or a heterodimer composed of one alpha and one beta chain. Both alpha and beta chains share significant homology to immunoglobulin variable light chains. This gene encodes the CD8 alpha chain isoforms. Two alternative transcripts encoding distinct isoforms, one membrane associated and one secreted, have been identified.

Conjugate: FITC-conjugated

Immunogen: Recombinant protein within

Positive control: Human peripheral blood lymphocytes.

Subcellular location: Cell membrane; Secreted.

Database links: SwissProt: P01732 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

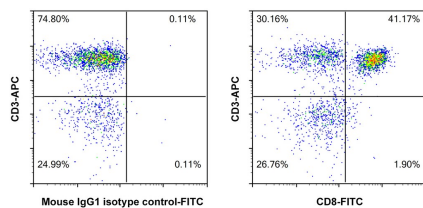


Fig1: Flow cytometry analysis of human peripheral blood lymphocytes labelling Human CD8 alpha (HA600122F, FITC) and CD3 (HA600118F, APC).

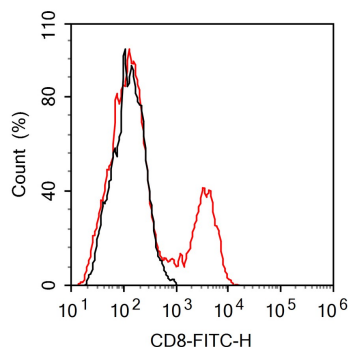


Fig2: Flow cytometric analysis of human peripheral blood lymphocytes labeling Human CD8 alpha.

Cells were washed twice with cold PBS and resuspend. Then incubated for 1 hour at +4°C with Human CD8 alpha (HA600122F, red, 2µg/mL). 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. Zheng Z et al. CD8A as a Prognostic and Immunotherapy Predictive Biomarker Can Be Evaluated by MRI Radiomics Features in Bladder Cancer. *Cancers (Basel)*. 2022 Oct
2. Tanemoto S et al. Single-cell transcriptomics of human gut T cells identifies cytotoxic CD4(+)CD8A(+) T cells related to mouse CD4 cytotoxic T cells. *Front Immunol*. 2022 Oct

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