

APC-Cy7 Conjugated Anti-Human CD8 alpha Antibody [PSH04-94]

HA601541F



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.
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Conjugate: APC-Cy7

Immunogen: Recombinant protein within Human CD8a aa 22-182.

Positive control: Human peripheral blood.

Subcellular location: Cell membrane; Secreted.

Database links: SwissProt: P01732 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°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

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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

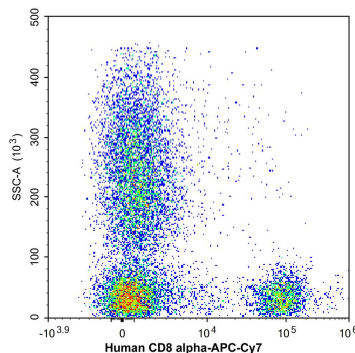


Fig1: Flow cytometric analysis of human peripheral blood cells labelling Human CD8 alpha (HA601541F, APC-Cy7).

Cells were washed twice with cold PBS and resuspend. Then incubated for 1 hour at +4℃ with Human CD8 alpha (HA601541F, APC-Cy7, 1/2,000).

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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