

Anti-Human CD8a, APC

Please read the datasheet carefully prior to use.

Cat. No. HF164

Version No. Version 2.0

Storage: at 2-8°C for one year in the dark, do not freeze.

Description

CD8, also known as T8 or Leu2, is a type I transmembrane glycoprotein. It is a member of the immunoglobulin superfamily found on the majority of thymocytes, a subset of peripheral blood T cells and NK cells. As a co-receptor of MHC class I restricted T cell receptor, CD8 plays an important role in antigen recognition, signal transduction, T cell activation and thymus differentiation. CD8 usually exists as a dimer formed by α and β chains (CD8 $\alpha\beta$) or two α chains (CD8 $\alpha\alpha$). Among them, the CD8 α chain is also called CD8a, and the CD8 β chain is also called CD8b. Trans-8B9 monoclonal antibody specifically recognizes the CD8a molecule. After purification of Trans-8B9 monoclonal antibody by affinity chromatography, the antibodies were conjugated with fluorescein APC under optimal conditions and used for flow cytometric detection of CD8a on cell surface.

Product Information

Specificity: Human

Host Species: Mouse

Antibody Type: Monoclonal

Clone Number: Trans-8B9

Isotype: Mouse IgG2a, κ

Label: APC (Ex: 633-647 nm; Em: 660 nm)

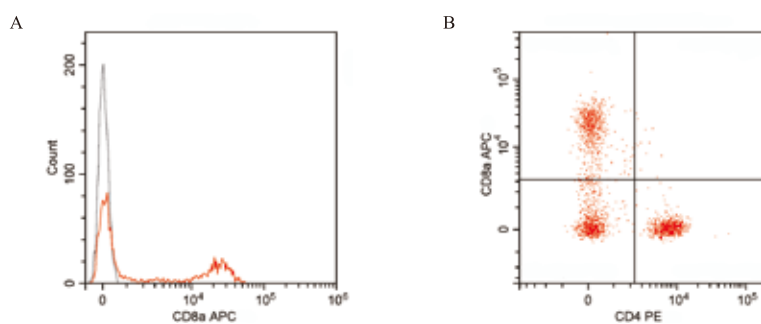
Storage Solution: Phosphate buffered saline (pH 7.2) containing 1% BSA and 0.05% ProClin 300

Kit Contents

Component	HF164-01	HF164-02
Anti-Human CD8a, APC	25 tests	50 tests

Applications

For flow cytometric staining, the recommended dosage is 5 μ l antibody per 1×10^6 cells, and the staining volume is 100 μ l. Or staining with 5 μ l antibody per 100 μ l whole blood.



A: Human peripheral blood lymphocytes were stained with APC Mouse IgG2a, κ Isotype Ctrl (gray line) or Anti-Human CD8a, APC (red line), respectively.

B: Human peripheral blood lymphocytes were co-stained with Anti-Human CD8a, APC and Anti-Human CD4, PE (TransGen, Cat: HF142).

Notes

- As the optimal concentration of flow cytometric antibody is affected by the number of cells, staining temperature, staining time and other factors, it is recommended that customers optimize titration before formal experiment to obtain the best results.
- For your health, please wear gloves and standardize the experiment operation.



Related Products

Cat. No.	Product Name	Specification
FB101-01	RBC Lysis Buffer (1×)	100 ml
FB102-02	Human Peripheral Blood Lymphocyte Separation Solution	200 ml
FB103-01	Staining Buffer (1×)	500 ml
FB104-01	Permeabilization Buffer (10×)	100 ml
FG701-01	PBS (1×)	500 ml
HF151-01/02	Anti-Human CD3, FITC	25T/50T
HF152-01/02	Anti-Human CD3, PE	25T/50T
HF154-01/02	Anti-Human CD3, APC	25T/50T
HF141-01/02	Anti-Human CD4, FITC	25T/50T
HF142-01/02	Anti-Human CD4, PE	25T/50T
HF144-01/02	Anti-Human CD4, APC	25T/50T
HF161-01/02	Anti-Human CD8a, FITC	25T/50T
HF162-01/02	Anti-Human CD8a, PE	25T/50T
HF171-01/02	Anti-Human IFN- γ , FITC	25T/50T
HF172-01/02	Anti-Human IFN- γ , PE	25T/50T
HF174-01/02	Anti-Human IFN- γ , APC	25T/50T

For more flow antibody products, please refer to the official website(<https://www.transgenbiotech.com/>) or call for consultation.

FOR RESEARCH USE ONLY

