# Anti-Human CD8a, PE

Please read the datasheet carefully prior to use.

Cat. No. HF162

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 (CD8αβ) or two α chains (CD8αα). Among them, the CD8α 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 PE 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: PE（Ex: 488-561 nm； Em: 578 nm）

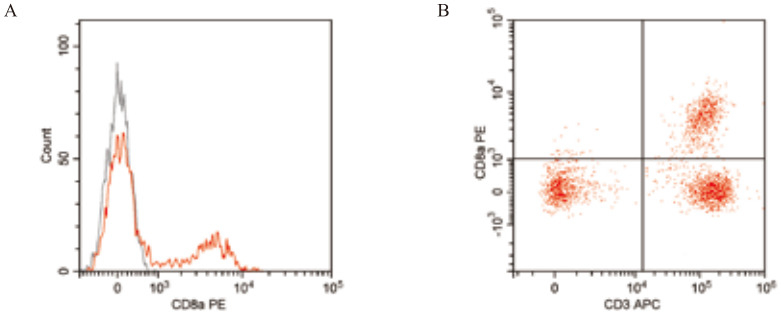
Storage Solution: Phosphate buffered saline (pH 7.2) containing 1% BSA and 0.05% ProClin 300

## Kit Contents

| Component | HF162-01 | HF162-02 |
|---|---|---|
| Anti-Human CD8a， PE | 25 tests | 50 tests |

## Applications

For flow cytometric staining, the recommended dosage is 5 μl antibody per $1\times10^6$ cells, and the staining volume is 100 μl. Or staining with 5 μl antibody per 100 μl whole blood.




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

B: Human peripheral blood lymphocytes were co-stained with Anti-Human CD8a, PE and Anti-Human CD3, APC（TransGen, Cat: HF154）.

## Notes

1. 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.
2. 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 |
| HF164-01/02 | Anti-Human CD8a，APC | 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, not for clinical diagnosis.**

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