

## PE Anti-Human CD8a Antibody[HIT8a]

Catalog Number: E-AB-F1271D

Note: Centrifuge before opening to ensure complete recovery of vial contents.

### Description

<b>Reactivity</b>	Human
<b>Host</b>	Mouse
<b>Isotype</b>	Mouse IgG1, κ
<b>Clone No.</b>	HIT8a
<b>Isotype Control</b>	PE Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792D]
<b>Conjugation</b>	PE
<b>Conjugation Information</b>	PE is designed to be excited by the Blue (488 nm), Green (532 nm) and Yellow-Green (561 nm) lasers and detected using an optical filter centered near 575 nm (e.g., a 585/42 nm bandpass filter).
<b>Storage Buffer</b>	Phosphate buffered solution, pH 7.2, containing 0.09% sodium azide.

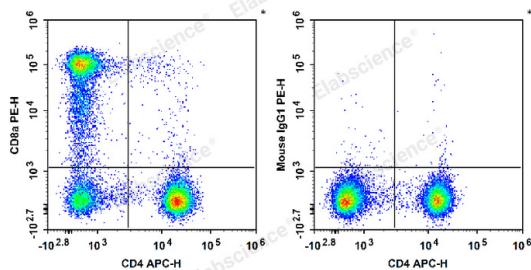
### Applications

### Recommended usage

FCM

Each lot of this antibody is quality control tested by flow cytometric analysis. **The amount of the reagent is suggested to be used 5 μL of antibody per test (million cells in 100 μL staining volume or per 100 μL of whole blood).** Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.

### Data



Human peripheral blood lymphocytes are stained with APC Anti-Human CD4 Antibody and PE Anti-Human CD8a Antibody (Left). Lymphocytes are stained with APC Anti-Human CD4 Antibody and PE Mouse IgG1, κ Isotype Control (Right).

### Preparation & Storage

<b>Storage</b>	Keep as concentrated solution. This product can be stored at 2-8°C for 12 months. Please protected from prolonged exposure to light and do not freeze.
<b>Shipping</b>	Ice bag

### Antigen Information

For Research Use Only

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Rev. V1.7

<b>Alternate Names</b>	CD8Leu-2Ly-2;CD8;CD8 antigen alpha po;CD8 antigen alpha polypeptide;CD8A;Leu; Leu2;MAL;T-cell surface glycoprotein CD8 alpha chain;T-lymphocyte differentiation antigen T8/Leu;T-lymphocyte differentiation antigen T8/Leu-2;T8;alpha polypeptide (p32);p32
<b>Uniprot ID</b>	P01732
<b>Gene ID</b>	925
<b>Background</b>	CD8a is a 32-34 kD type I glycoprotein. It forms a homodimer (CD8a/a) or heterodimer (CD8a/b) with CD8b. CD8, also known as T8 and Leu2, is a member of the immunoglobulin superfamily found on the majority of thymocytes, a subset of peripheral blood T cells, and NK cells (which express almost exclusively CD8a homodimers). CD8 acts as a co-receptor with MHC class I-restricted T cell receptors in antigen recognition and T cell activation and has been shown to play a role in thymic differentiation. Two domains in CD8a are important for function: the extracellular IgSF domain binds the $\alpha 3$ domain of MHC class I and the cytoplasmic CXCP motif binds the tyrosine kinase p56 Lck.