

## PE Anti-Human/Monkey TCR $\gamma/\delta$ Antibody[B1]

**Catalog Number:** E-AB-F1145D

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

### Description

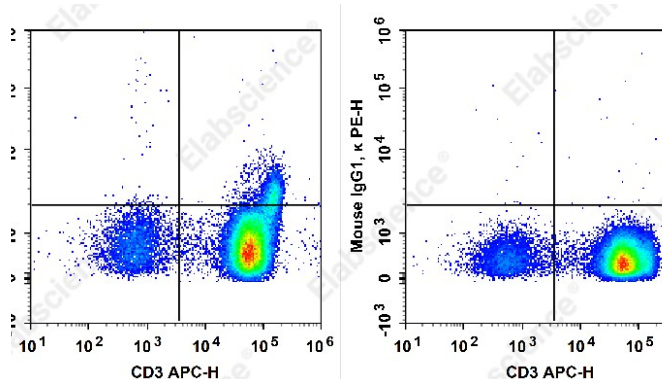
|                                |                                                                                                                                                                                                   |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reactivity</b>              | Human;Rhesus                                                                                                                                                                                      |
| <b>Host</b>                    | Mouse                                                                                                                                                                                             |
| <b>Isotype</b>                 | Mouse IgG1, $\kappa$                                                                                                                                                                              |
| <b>Clone No.</b>               | B1                                                                                                                                                                                                |
| <b>Isotype Control</b>         | PE Mouse IgG1, $\kappa$ 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% stabilizer.                                                                                                                                 |

### Applications

### Recommended usage

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

### Data



Staining of normal human peripheral blood cells with APC Anti-Human CD3 Antibody and PE Anti-Human TCR  $\gamma/\delta$  Antibody[B1] (left) or PE Mouse IgG1,  $\kappa$  Isotype Control (right). Cells in the lymphocytes gate were used for analysis.

### Preparation & Storage

|                 |                                                                                                                                                           |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>  | Keep as concentrated solution.<br>This product can be stored at 2-8°C for 24 months. Please protected from prolonged exposure to light and do not freeze. |
| <b>Shipping</b> | Ice bag                                                                                                                                                   |

### Antigen Information

|                        |                                                                             |
|------------------------|-----------------------------------------------------------------------------|
| <b>Alternate Names</b> | T cell receptor $\gamma/\delta$ ; $\gamma/\delta$ TCR; TCR- $\gamma/\delta$ |
| <b>Gene ID</b>         | 6964;6965                                                                   |

### For Research Use Only

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Rev. V1.1

## Background

T cell receptor (TCR) is a heterodimer consisting of an  $\alpha$  and a  $\beta$  chain (TCR  $\alpha/\beta$ ) or a  $\gamma$  and a  $\delta$  chain (TCR  $\gamma/\delta$ ). TCR  $\gamma/\delta$  is involved in the recognition of certain bacterial, self-CD1 molecule, and tumor antigens bound to MHC class I. The  $\gamma/\delta$  TCR associates with CD3 and is expressed on a subset of T cells found in the thymus, the intestinal epithelium, and the peripheral lymphoid tissues and peritoneum. Most  $\gamma/\delta$  T cells are CD4-/CD8-, some are CD8+. T cells expressing the  $\gamma/\delta$  TCR have been shown to play a role in oral tolerance, innate immune response for some tumor cells, and autoimmune disease. It has been reported that  $\gamma/\delta$  T cells also play a principal role in antigen presentation.