

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

<b>Catalog No.</b>	E-AB-F1145C	<b>Reactivity</b>	Human
<b>Storage</b>	Store at 2~8°C, Avoid freeze / thaw cycles	<b>Applications</b>	FCM

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

### Antigen Information

<b>Alternate Names</b>	T cell receptor $\gamma/\delta$ , $\gamma/\delta$ TCR, TCR- $\gamma/\delta$
<b>Background</b>	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.

### Product Details

<b>Form</b>	Liquid
<b>Size</b>	20Tests/100Tests/100Tests×2
<b>Clone No.</b>	B1
<b>Host</b>	Mouse
<b>Isotype</b>	Mouse IgG1, $\kappa$
<b>Reactivity</b>	Human
<b>Application</b>	FCM
<b>Isotype Control</b>	<a href="#">FITC Mouse IgG1, <math>\kappa</math> Isotype Control[MOPC-21] [Product E-AB-F09792C]</a>
<b>Storage Buffer</b>	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.
<b>Shipping</b>	Biological ice pack at 4 °C
<b>Stability &amp; Storage</b>	Keep as concentrated solution. Store at 2~8°C and protected from prolonged exposure to light. Do not freeze. This product is guaranteed up to one year from purchase.

## Fluorophore

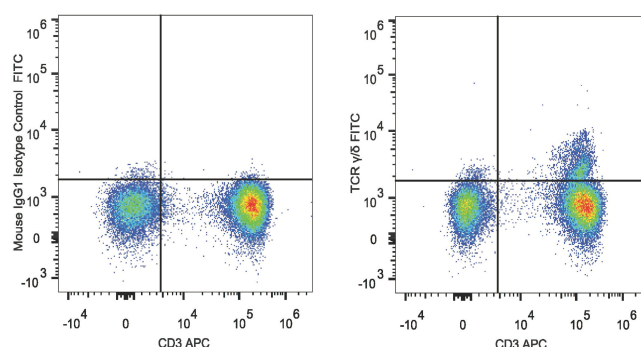
### Conjugation: FITC

FITC is designed to be excited by the Blue laser (488 nm) and detected using an optical filter centered near 530 nm (e.g., a 525/40 nm bandpass filter).

## Recommended usage

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

## Product data



Human peripheral blood lymphocytes are stained with FITC Anti-Human TCR  $\gamma/\delta$  Antibody and APC Anti-Human CD3 Antibody (Right). Lymphocytes stained with APC Anti-Human CD3 Antibody and Mouse IgG1 Isotype Control FITC (Left) are used as control.

## Related Information

1. Sample Preparation for Flow Cytometry <https://www.elabscience.com/List-detail-5594.html>
2. Staining Cell Surface Targets for Flow Cytometry <https://www.elabscience.com/List-detail-5568.html>
3. Flow Cytometry Troubleshooting Tips <https://www.elabscience.com/List-detail-5593.html>
4. How to select the appropriate detection channel through the spectrogram? <https://www.elabscience.com/List-detail-459742.html>