

## AF/LE Purified Anti-Mouse TCR $\gamma/\delta$ Antibody[UC7-13D5]

<b>Catalog No.</b>	E-AB-F11240	<b>Reactivity</b>	Mouse
<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>	TCR- $\gamma/\delta$ , $\gamma/\delta$ TCR
<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 $\gamma/\delta$ belongs to the immunoglobulin superfamily, involved in the recognition of certain bacterial and tumor antigens bound to MHC class I. The TCR $\gamma/\delta$ associates with CD3 and is expressed on a T cell subset 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 TCR $\gamma/\delta$ have been shown to play a role in oral tolerance, tumor-associated tolerance, and autoimmune disease. It has been reported that $\gamma/\delta$ T cells also play a principal role in antigen presentation. Immobilized UC7-13D5 antibody has been reported to activate TCR- $\gamma/\delta$ -bearing T cells in vitro, and to deplete peripheral TCR- $\gamma/\delta$ -bearing T cells in vivo.

### Product Details

<b>Form</b>	Liquid
<b>Concentration</b>	0.5 mg/mL
<b>Size</b>	50 $\mu$ g/500 $\mu$ g/1mg
<b>Clone No.</b>	UC7-13D5
<b>Host</b>	Armenian Hamster
<b>Isotype</b>	Armenian Hamster IgG
<b>Reactivity</b>	Mouse
<b>Application</b>	FCM
<b>Isotype Control</b>	<a href="#">AF/LE Purified Armenian Hamster IgG Isotype Control[PIP] [Product E-AB-F098530]</a>
<b>Storage Buffer</b>	0.2 $\mu$ m filtered in PBS, pH 7.2. Azide Free (AF)/Low Endotoxin (LE): Contains no stabilizers or stabilizers. Endotoxin level is < 2 EU/mg as Determined by LAL gel clotting assay.
<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.

#### For Research Use Only

Thank you for your recent purchase.  
 If you would like to learn more about antibodies, please visit [www.elabscience.com](http://www.elabscience.com).

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Applications: Activ- Activation; Block- Blocking; Separation- Cell Separation ; Cell Sep-Neg- Cell Separation by Negative Selection; FA- Functional Assay; Neut- Neutralization; Stim- Stimulation; FCM- Flow Cytometry; ICFCM: Intracellular Staining for Flow Cytometry; WB- Western Blotting; IHC- Immunohistochemistry; IF- Immunofluorescence; IP- Immunoprecipitation

## Fluorophore

**Conjugation:** None (Purified antibody-Azide Free/Low endotoxin)

## Recommended usage

Each lot of this antibody is quality control tested by flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is  $\leq 1.0 \mu\text{g}$  per  $10^6$  cells in  $100 \mu\text{L}$  volume or  $100 \mu\text{L}$  of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

## 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>

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