

## APC Anti-Rat CD3 Antibody[G4.18]

<b>Catalog No.</b>	E-AB-F1228UE	<b>Reactivity</b>	Rat
<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 surface glycoprotein CD3 $\delta$ , $\gamma$ , $\epsilon$ , and $\zeta$ chains, CD3 Complex, T3, CD3
<b>Uniprot ID</b>	P19377, Q64159, D4A5M2
<b>Background</b>	CD3 is a complex composed of $\delta$ , $\gamma$ , $\epsilon$ , and $\zeta$ chains. They are 20-25 kD members of the immunoglobulin superfamily and associated with the T cell receptor (TCR). CD3 is expressed on thymocytes, peripheral T cells, some NK-T cells, and dendritic epidermal T cells. CD3 is involved in antigen recognition, signal transduction, and T cell activation.

### Product Details

<b>Form</b>	Liquid
<b>Concentration</b>	0.2 mg/mL
<b>Size</b>	25 $\mu$ g/100 $\mu$ g
<b>Clone No.</b>	G4.18
<b>Host</b>	Mouse
<b>Isotype</b>	Mouse IgG3, $\kappa$
<b>Reactivity</b>	Rat
<b>Application</b>	FCM
<b>Isotype Control</b>	<a href="#">APC Mouse IgG3, <math>\kappa</math> Isotype Control[A112-3]</a> <a href="#">[Product E-AB-F09753E]</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

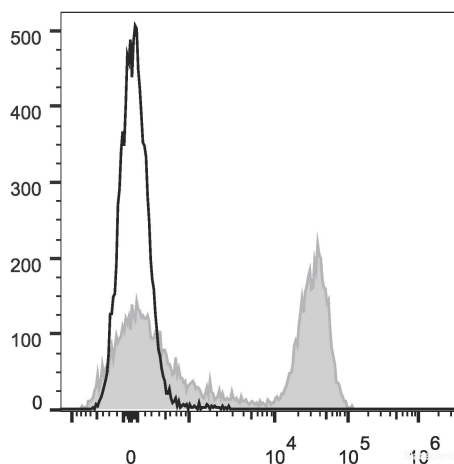
**Conjugation:** APC

APC is designed to be excited by the Red (627-640 nm) laser and detected using an optical filter centered near 660 nm (e.g., a 660/20 nm bandpass filter).

## Recommended usage

Each lot of this antibody is quality control tested by flow cytometric analysis. Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. We suggest each investigator should titrate the reagent to obtain optimal results [The recommended concentration is 0.1-1  $\mu\text{g}/10^6$  cells in 100  $\mu\text{L}$  volume].

## Product data



Rat splenocytes are stained with APC Anti-Rat CD3 Antibody (filled gray histogram). Unstained splenocytes (empty black histogram) 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>