

## APC Anti-Human CD16 Antibody[3G8]

<b>Catalog No.</b>	E-AB-F1236E	<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>	FcγRIII, Fc gamma receptor, Fc gamma receptor 3
<b>Uniprot ID</b>	P08637, O75015
<b>Background</b>	CD16 is a 60 kD highly glycosylated protein. It is a member of the Ig superfamily and is also known as B7-1, B7, and Ly-53. CD16 is constitutively expressed on dendritic cells and monocytes/macrophages, and inducibly expressed on activated B and T cells. The ligation of CD28 on T cells with CD16 and CD86 (B7-2) on antigen presenting cells (such as dendritic cells, macrophages, and B cells) elicits co-stimulation of T cells resulting in enhanced cell activation, proliferation, and cytokine production. CD16 appears to be expressed later in the immune response than CD86. CD16 can also bind to CD152, also known as CTLA-4, to deliver an inhibitory signal to T cells.

### Product Details

<b>Form</b>	Liquid
<b>Size</b>	20Tests/100Tests/100Tests×2
<b>Clone No.</b>	3G8
<b>Host</b>	Mouse
<b>Isotype</b>	Mouse IgG1, κ
<b>Reactivity</b>	Human
<b>Application</b>	FCM
<b>Isotype Control</b>	<a href="#">APC Mouse IgG1, κ Isotype Control[MOPC-21]</a> <a href="#">[Product E-AB-F09792E]</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.

### For Research Use Only

## Fluorophore

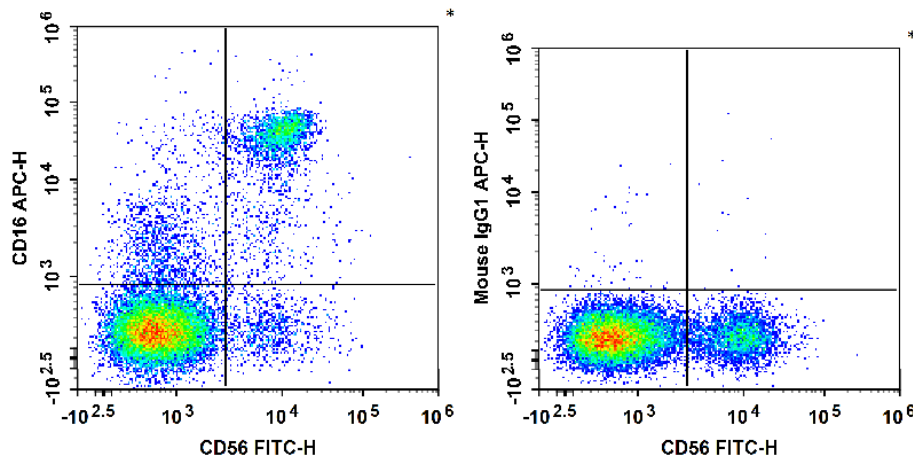
**Conjugation:** APC

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. **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 CD56 Antibody and APC Anti-Human CD16 Antibody (Left). Lymphocytes are stained with FITC Anti-Human CD56 Antibody and APC Mouse IgG1,  $\kappa$  Isotype Control (Right).

## 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>