

**Elab Fluor® 488 Anti-Human CD68 Antibody[Y1/82A]**

<b>Catalog No.</b>	E-AB-F1299L	<b>Reactivity</b>	Human
<b>Storage</b>	Store at 2~8°C, Avoid freeze / thaw cycles	<b>Applications</b>	ICFCM

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

**Antigen Information**

<b>Alternate Names</b>	Macrosialin
<b>Uniprot ID</b>	P34810
<b>Gene ID</b>	968
<b>Background</b>	CD68 is a 110 kD glycoprotein, also known as macrosialin, belonging to the sialomucin family. It is closely related to the family of acidic, highly glycosylated lysosomal-associated membrane proteins (LAMPs). CD68 is predominately expressed in cytoplasmic granules of monocytes/macrophages, dendritic cells, and granulocytes. It is one of the useful myeloid cell markers. Further studies have shown that CD68 is also expressed by a subset of hematopoietic progenitors, $\gamma/\delta$ T cells, NK cells, LAK cells, subset of B cells, fibroblasts, and endothelial cells. The biological function of CD68 is still unknown.

**Product Details**

<b>Form</b>	Liquid
<b>Size</b>	20Tests/100Tests/100Tests×2
<b>Clone No.</b>	Y1/82A
<b>Host</b>	Mouse
<b>Isotype</b>	Mouse IgG2b, $\kappa$
<b>Reactivity</b>	Human
<b>Application</b>	ICFCM
<b>Isotype Control</b>	<a href="#">Elab Fluor® 488 Mouse IgG2b, <math>\kappa</math> Isotype Control[MPC-11] [Product E-AB-F09812L]</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

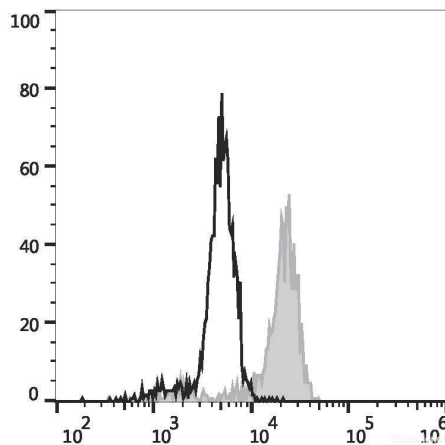
**Conjugation:** Elab Fluor® 488

Elab Fluor® 488 is designed to be excited by the Blue laser (488 nm) and detected using an optical filter centered near 520 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 µL of antibody per test (million cells in 100 µL staining volume or per 100 µL 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 intracellularly stained with Elab Fluor® 488 Anti-Human CD68 Antibody (filled gray histogram) or Elab Fluor® 488 Mouse IgG2b,κ Isotype Control (empty black histogram). Cells in the monocyte gate were used for analysis.

## 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>