

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

Catalog Number: E-AB-F1299L

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

### Description

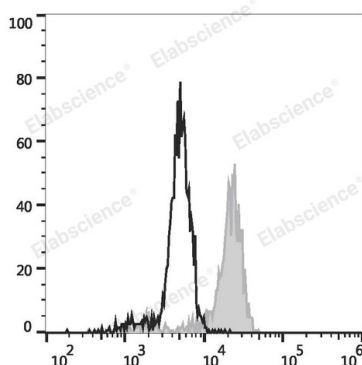
<b>Reactivity</b>	Human
<b>Host</b>	Mouse
<b>Isotype</b>	Mouse IgG2b, κ
<b>Clone No.</b>	Y1/82A
<b>Isotype Control</b>	Elab Fluor® 488 Mouse IgG2b, κ Isotype Control[MPC-11] [Product E-AB-F09812L]
<b>Conjugation</b>	Elab Fluor® 488
<b>Conjugation Information</b>	Elab Fluor® 488 is designed to be excited by the Blue laser (488 nm) and detected using an optical filter centered near 520 nm (e.g., a 525/40 nm bandpass filter).
<b>Storage Buffer</b>	Phosphate buffered solution, pH 7.2, containing 0.09% sodium azide and 1% BSA.

### Applications

### Recommended usage

<b>FCM</b>	Each lot of this antibody is quality control tested by flow cytometric analysis. <b>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).</b> Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.
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### Data



Staining of normal human peripheral blood cells with Elab Fluor® 488 Anti-Human CD68 Antibody[Y1/82A] (filled gray histogram) or Elab Fluor® 488 Mouse IgG2b, κ Isotype Control (empty black histogram). Cells in the lymphocytes gate were used for analysis.

### Preparation & Storage

<b>Storage</b>	Keep as concentrated solution. This product can be stored at 2-8°C for 12 months. Please protected from prolonged exposure to light and do not freeze.
<b>Shipping</b>	Ice bag

### Antigen Information

<b>Alternate Names</b>	Macrosialin
<b>Uniprot ID</b>	P34810
<b>Gene ID</b>	968

### For Research Use Only

## Background

CD68 is a 110 kD glycoprotein, also known as macrofialin, 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.