

For Research Use Only

# FcZero-rAb™ CoraLite® Plus 488 Anti-Mouse F4/80 Rabbit Recombinant Antibody

Catalog Number: CL488-FcA98236



## Basic Information

|                                            |                                                                                             |                                                                                               |
|--------------------------------------------|---------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| <b>Catalog Number:</b><br>CL488-FcA98236   | <b>GenBank Accession Number:</b><br>NM_010130.4                                             | <b>Purification Method:</b><br>Protein A purification                                         |
| <b>Concentration:</b><br>100ug, 500 ug/ml  | <b>GeneID (NCBI):</b><br>13733                                                              | <b>CloneNo.:</b><br>241959G4                                                                  |
| <b>Source:</b><br>Rabbit                   | <b>UNIPROT ID:</b><br>Q61549                                                                | <b>Recommended Dilutions:</b><br>FC: 0.25 ug per 10 <sup>6</sup> cells in a 100 µl suspension |
| <b>Isotype:</b><br>IgG                     | <b>Full Name:</b><br>EGF-like module containing, mucin-like, hormone receptor-like sequence | <b>Excitation/Emission maxima wavelengths:</b><br>493 nm / 522 nm                             |
| <b>Immunogen Catalog Number:</b><br>EG0788 | <b>1</b>                                                                                    |                                                                                               |
|                                            | <b>Calculated MW:</b><br>102 kDa                                                            |                                                                                               |

## Applications

|                                      |                                                                 |
|--------------------------------------|-----------------------------------------------------------------|
| <b>Tested Applications:</b><br>FC    | <b>Positive Controls:</b><br>FC : mouse peritoneal macrophages, |
| <b>Species Specificity:</b><br>mouse |                                                                 |

## Background Information

Mouse F4/80, also named as EMR1 and Gpf480, is a 160-kDa cell surface glycoprotein which is a member of the EGF TM7 family. The F4/80 molecule is solely expressed on the surface of macrophages and serves as a marker for mature macrophage tissues, including Kupffer cells in liver, splenic red pulp macrophages, brain microglia, gut lamina propria and Langerhans cells in the skin. The function of F4/80 is unclear, but it is speculated to be involved in macrophage adhesion events, cell migration or as a G protein-coupled signaling component of macrophages.

## Storage

**Storage:**  
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.09% sodium azide, pH7.3

For technical support and original validation data for this product please contact:

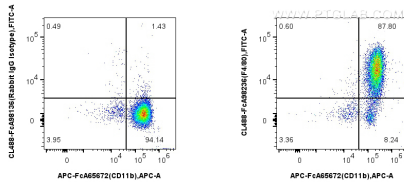
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



1x10<sup>6</sup> mouse peritoneal macrophages were surface stained with FcZero-rAb™ APC Anti-Mouse CD11b, and 0.25 ug CoraLite® Plus 488 Anti-Mouse F4/80 Rabbit RecAb (CL488-FcA98236, Clone: 241959G4) or 0.25 ug FcZero-rAb™ CoraLite® Plus 488 Rabbit IgG Isotype Control Recombinant Antibody (CL488-FcA98136, Clone: 240953C9). Cells were not fixed.