

For Research Use Only

# CoraLite® Plus 488-conjugated F4/80 Recombinant antibody

Catalog Number: CL488-84538



## Basic Information

<b>Catalog Number:</b> CL488-84538	<b>GenBank Accession Number:</b> NM_010130.4	<b>Purification Method:</b> Protein A purification
<b>Concentration:</b> 1000 ug/ml	<b>GeneID (NCBI):</b> 13733	<b>CloneNo.:</b> 241959B6
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q61549	<b>Recommended Dilutions:</b> IF-P 1:50-1:500
<b>Isotype:</b> IgG	<b>Full Name:</b> EGF-like module containing, mucin-like, hormone receptor-like sequence	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
	<b>Calculated MW:</b> 102 kDa	

## Applications

<b>Tested Applications:</b> IF-P	<b>Positive Controls:</b> IF-P : mouse spleen tissue,
<b>Species Specificity:</b> mouse	

## Background Information

Mouse F4/80, also named as EMR1 and Gpf480, is a 160kd 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 -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

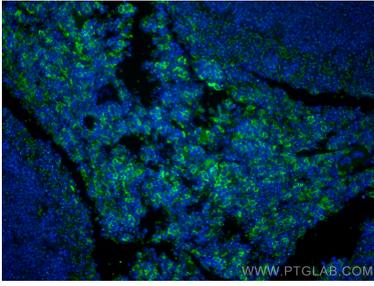
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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse spleen tissue using CoraLite® Plus 488 F4/80 antibody (CL488-84538, Clone: 241959B6 ) at dilution of 1:200. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).