

For Research Use Only

# F4/80 Recombinant antibody

Catalog Number: 81668-1-RR **2 Publications**



## Basic Information

<b>Catalog Number:</b> 81668-1-RR	<b>GenBank Accession Number:</b> NM_010130	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 750 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 13733	<b>CloneNo.:</b> 2P18
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q61549	<b>Recommended Dilutions:</b> IHC 1:2000-1:3000 IF-P 1:750-1:3000 IF-Fro 1:50-1:500 IF/ICC 1:125-1:500
<b>Isotype:</b> IgG	<b>Full Name:</b> EGF-like module containing, mucin-like, hormone receptor-like sequence	
<b>Immunogen Catalog Number:</b> AG28252	<b>Calculated MW:</b> 102 kDa	

## Applications

<b>Tested Applications:</b> IHC, IF/ICC, IF-P, IF-Fro, ELISA	<b>Positive Controls:</b> IHC : mouse spleen tissue, mouse liver tissue IF-P : mouse spleen tissue, RAW 264.7 cells IF-Fro : mouse spleen tissue, IF/ICC : RAW 264.7 cells,
<b>Cited Applications:</b> IF	
<b>Species Specificity:</b> mouse	
<b>Cited Species:</b> mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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.

## Notable Publications

Author	Pubmed ID	Journal	Application
C Grenier	39484448	bioRxiv	IF
Chunxiang Shen	39321022	Cell Rep	IF

## Storage

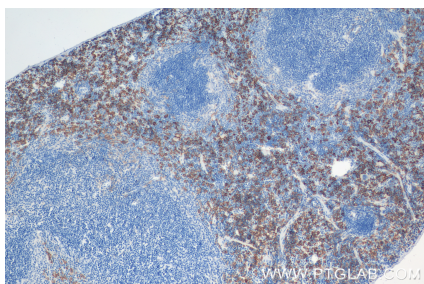
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

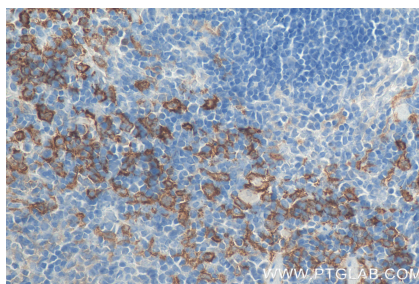
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

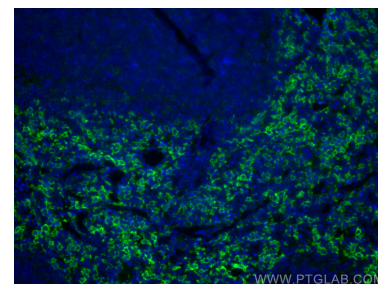
## Selected Validation Data



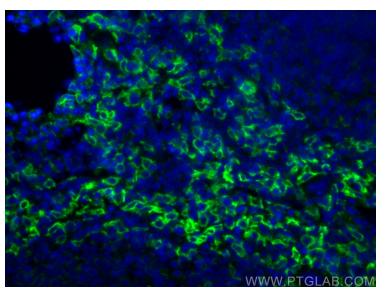
Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 81668-1-RR (F4/80 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



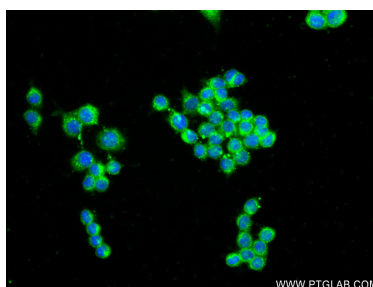
Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 81668-1-RR (F4/80 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



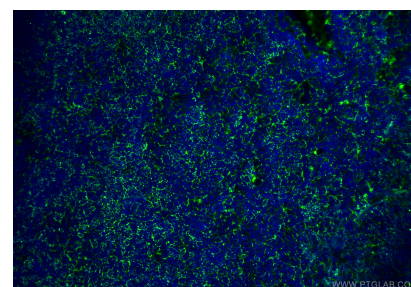
Immunofluorescent analysis of (4% PFA) fixed mouse spleen tissue using F4/80 antibody (81668-1-RR, Clone: 2P18) at dilution of 1:1500 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



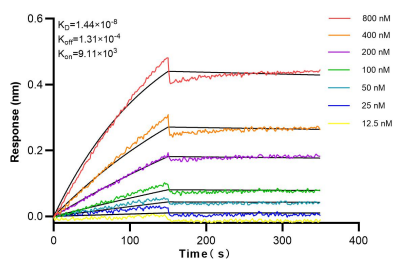
Immunofluorescent analysis of (4% PFA) fixed mouse spleen tissue using F4/80 antibody (81668-1-RR, Clone: 2P18) at dilution of 1:1500 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (-20°C Ethanol) fixed RAW 264.7 cells using F4/80 antibody (81668-1-RR, Clone: 2P18) at dilution of 1:250 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Immunofluorescent analysis of (4% PFA) fixed frozen OCT-embedded mouse spleen tissue using F4/80 antibody (81668-1-RR, Clone: 2P18) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Biolayer interferometry (BLI) kinetic assays of 81668-1-RR against Mouse F4/80 were performed. The affinity constant is 14.4 nM.