

For Research Use Only

# F4/80 Polyclonal antibody

Catalog Number: 29414-1-AP **33 Publications**



## Basic Information

<b>Catalog Number:</b> 29414-1-AP	<b>GenBank Accession Number:</b> NM_010130	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 13733	<b>Recommended Dilutions:</b> IHC 1:8000-1:20000 IF 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q61549	
<b>Isotype:</b> IgG	<b>Full Name:</b> EGF-like module containing, mucin-like, hormone receptor-like sequence	
<b>Immunogen Catalog Number:</b> AG30149	<b>Calculated MW:</b> 102 kDa	

## Applications

### Tested Applications:

IF, IHC, ELISA

### Cited Applications:

WB, IF, IHC

### Species Specificity:

mouse, rat

### Cited Species:

human, rat, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

**IHC :** mouse spleen tissue, mouse liver tissue, rat spleen tissue, rat liver tissue, mouse lung tissue, mouse heart tissue, mouse brain tissue, mouse small intestine tissue

**IF :** mouse spleen tissue,

## 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
Meixin Chen	34555644	Int Immunopharmacol	IHC
Yanze Yin	34719108	Liver Int	IHC
Gaopeng Guan	36333115	Small	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

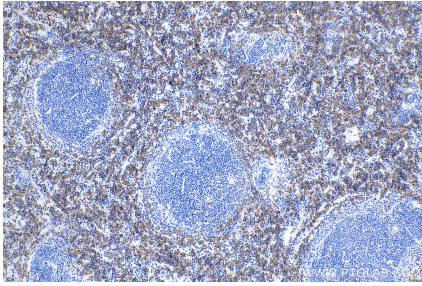
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

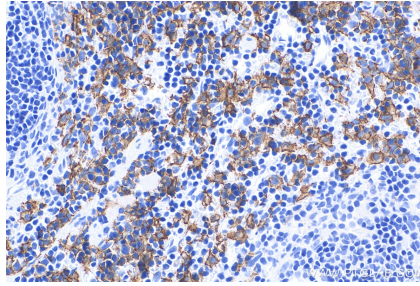
E: proteintech@ptglab.com  
W: ptglab.com

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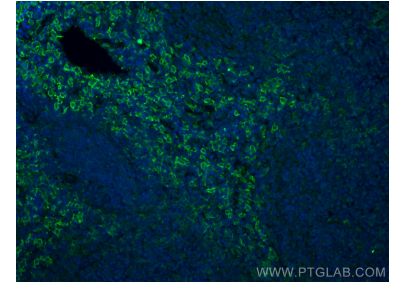
## Selected Validation Data



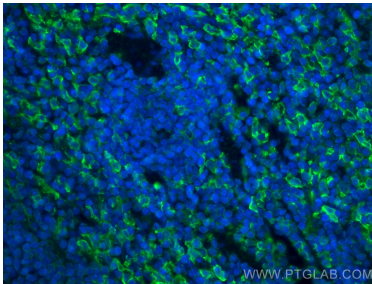
Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 29414-1-AP (F4/80 antibody) at dilution of 1:12000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 29414-1-AP (F4/80 antibody) at dilution of 1:12000 (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 (29414-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed mouse spleen tissue using F4/80 antibody (29414-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).