

# F4/80 Rabbit mAb

Catalog No.: A27257 **Recombinant** **1 Publications**

## Basic Information

### Observed MW

97 kDa/160 kDa

### Calculated MW

102kDa

### Category

Primary antibody

### Applications

WB,IF-P,IF-F,IHC-P,ELISA

### Cross-Reactivity

Mouse, Rat

### CloneNo number

ARC3326

## Background

Predicted to enable G protein-coupled receptor activity. Predicted to be involved in adenylate cyclase-activating G protein-coupled receptor signaling pathway. Predicted to act upstream of or within G protein-coupled receptor signaling pathway and adaptive immune response. Located in external side of plasma membrane. Is expressed in several structures, including cardiovascular system; central nervous system; genitourinary system; hemolymphoid system; and intestine. Orthologous to human ADGRE1 (adhesion G protein-coupled receptor E1).

## Recommended Dilutions

<b>WB</b>	1:1000 - 1:4000
<b>IF-P</b>	1:50 - 1:200
<b>IF-F</b>	1:100 - 1:400
<b>IHC-P</b>	1:200 - 1:2000
<b>ELISA</b>	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Contact

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## Immunogen Information

### Gene ID

13733

### Swiss Prot

Q61549

### Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

### Synonyms

Emr1; Ly71; F4/80; Gpf480; TM7LN3; DD7A5-7; EGF-TM7

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

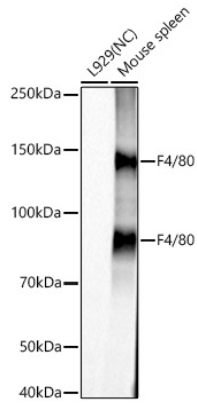
Affinity purification

### Storage

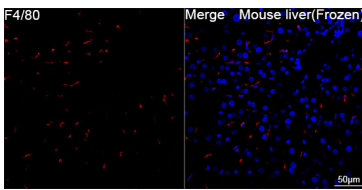
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

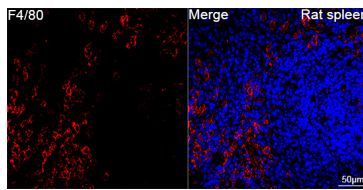
## Validation Data



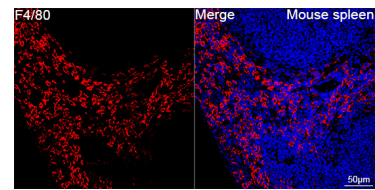
Western blot analysis of various lysates using F4/80 Rabbit mAb (A27257) at 1:1000 dilution incubated overnight at 4°C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Negative control (NC): L929. Exposure time: 45s.



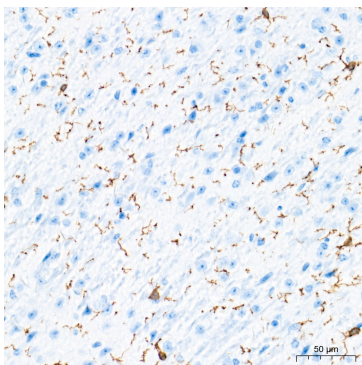
Confocal imaging of frozen sections of Mouse liver tissue using F4/80 Rabbit mAb (A27257, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



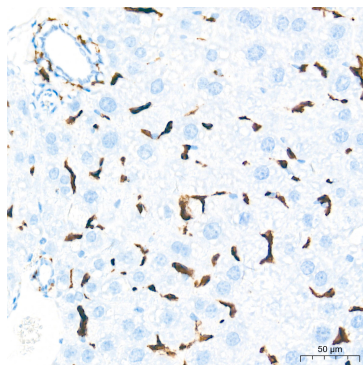
Confocal imaging of paraffin-embedded Rat spleen tissue using F4/80 Rabbit mAb (A27257, dilution 1:50) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



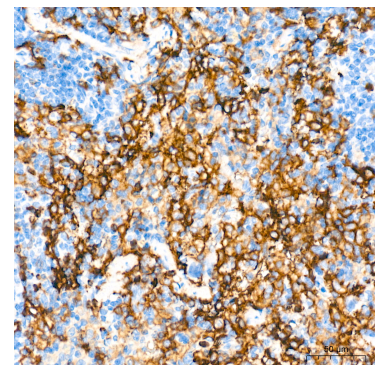
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Immunohistochemistry analysis of paraffin-embedded Mouse brain tissue using F4/80 Rabbit mAb (A27257) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



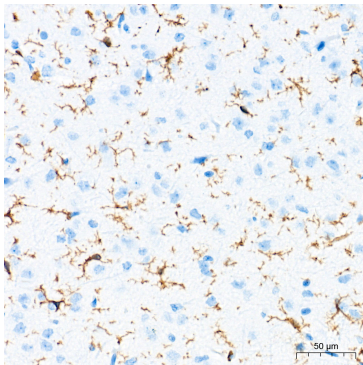
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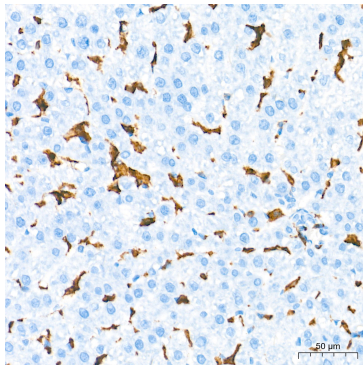
Immunohistochemistry analysis of paraffin-embedded Mouse spleen tissue using F4/80 Rabbit mAb (A27257) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

## Validation Data

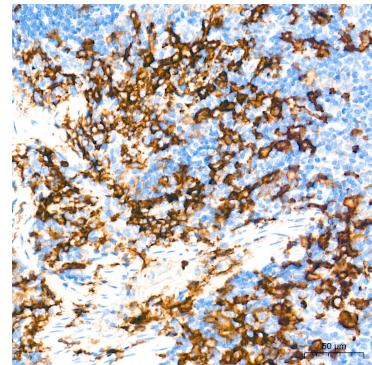
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Immunohistochemistry analysis of paraffin-embedded Rat brain tissue using F4/80 Rabbit mAb (A27257) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat liver tissue using F4/80 Rabbit mAb (A27257) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat spleen tissue using F4/80 Rabbit mAb (A27257) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.