

For Research Use Only

F4/80 Recombinant antibody

Catalog Number: 81668-1-RR



Basic Information

Catalog Number: 81668-1-RR	GenBank Accession Number: NM_010130	Purification Method: Protein A purification
Size: 100ul , Concentration: 750 µg/ml by Nanodrop;	GeneID (NCBI): 13733	CloneNo.: 2P18
Source: Rabbit	Full Name: EGF-like module containing, mucin-like, hormone receptor-like sequence	Recommended Dilutions: IHC 1:4000-1:10000 IF 1:750-1:3000
Isotype: IgG	Calculated MW: 102 kDa	
Immunogen Catalog Number: AG28252		

Applications

Tested Applications: IF, IHC, ELISA	Positive Controls: IHC : mouse spleen tissue, mouse liver tissue IF : mouse spleen tissue,
Species Specificity: Mouse	

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

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. 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

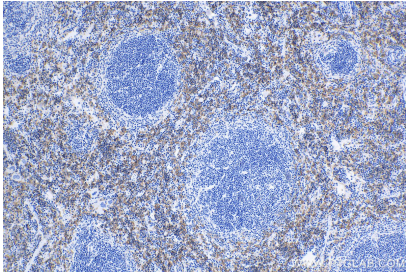
For technical support and original validation data for this product please contact:

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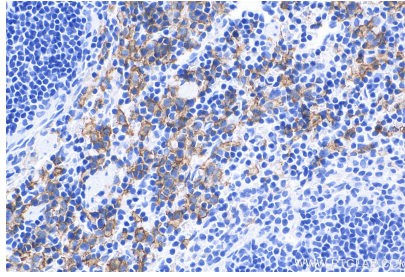
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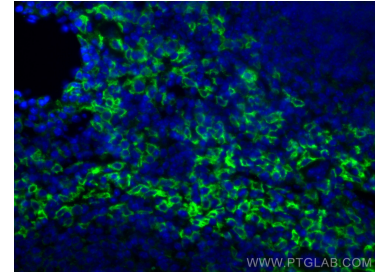
Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 81668-1-RR (F4/80 antibody) at dilution of 1:8000 (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 1:8000 (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).