

For Research Use Only

Mouse F4/80 Recombinant antibody, PBS Only

Catalog Number: 81668-1-PBS



Basic Information

Catalog Number: 81668-1-PBS	GenBank Accession Number: NM_010130	Purification Method: Protein A purification
Size: 100ug, Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 13733	CloneNo.: 2P18
Source: Rabbit	UNIPROT ID: Q61549	
Isotype: IgG	Full Name: EGF-like module containing, mucin- like, hormone receptor-like sequence	
Immunogen Catalog Number: AG28252	1	
	Calculated MW: 102 kDa	

Applications

Tested Applications:
IHC, IF/ICC, IF-P, IF-Fro, Indirect ELISA

Species Specificity:
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

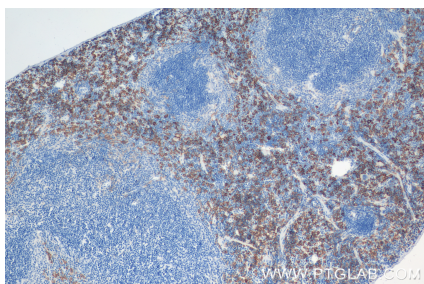
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

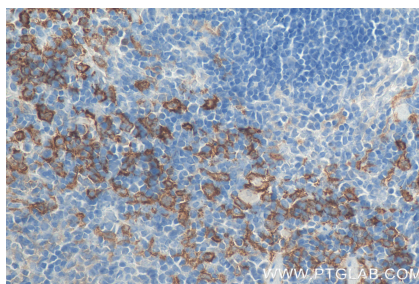
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

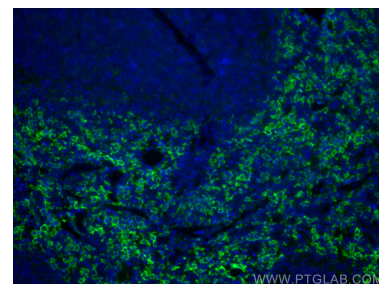
Selected Validation Data



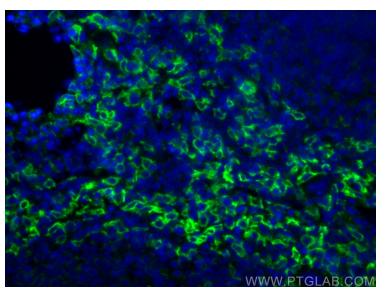
Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 81668-1-RR (F4/80 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 81668-1-PBS in a different storage buffer formulation.



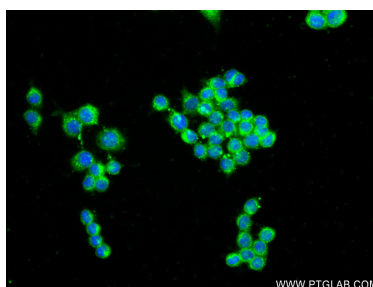
Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 81668-1-RR (F4/80 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 81668-1-PBS in a different storage buffer formulation.



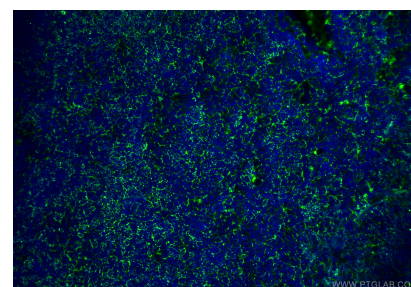
Immunofluorescent analysis of (4% PFA) fixed mouse spleen tissue using F4/80 antibody (81668-1-RR, Clone: 2P18) at dilution of 1:1500 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). This data was developed using the same antibody clone with 81668-1-PBS in a different storage buffer formulation.



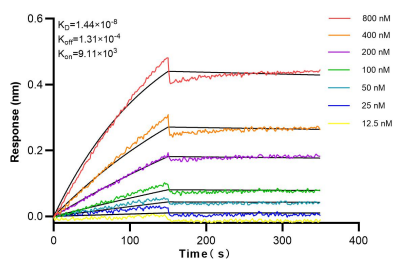
Immunofluorescent analysis of (4% PFA) fixed mouse spleen tissue using F4/80 antibody (81668-1-RR, Clone: 2P18) at dilution of 1:1500 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). This data was developed using the same antibody clone with 81668-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 81668-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 81668-1-PBS in a different storage buffer formulation.



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