

For Research Use Only

CoraLite® Plus 488-conjugated F4/80 Polyclonal antibody



Catalog Number: CL488-28463

Basic Information

Catalog Number: CL488-28463	GenBank Accession Number: NM_010130	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 13733	Recommended Dilutions: IF 1:50-1:500
Source: Rabbit	Full Name: EGF-like module containing, mucin- like, hormone receptor-like sequence	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG	Calculated MW: 102 kDa	
Immunogen Catalog Number: AG28252		

Applications

Tested Applications: FC (Intra), IF	Positive Controls: IF : mouse spleen tissue,
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

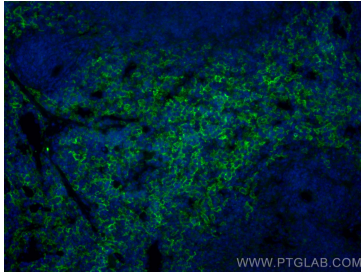
Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

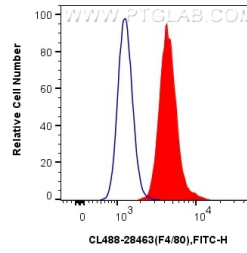
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

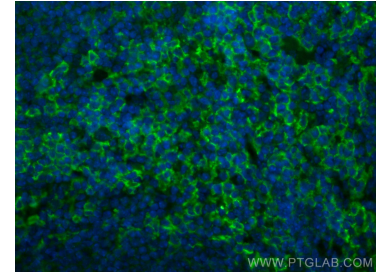
Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse spleen tissue using CoraLite® Plus 488 F4/80 antibody (CL488-28463) at dilution of 1:200. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1X10⁶ RAW 264.7 cells were intracellularly stained with 0.8 ug CoraLite® Plus 488 Anti-Mouse F4/80 (CL488-28463) (red), or 0.8 ug CoraLite® Plus 488-conjugated Rabbit IgG control Rabbit PolyAb (CL488-30000, Clone:) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



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