

For Research Use Only

# CoraLite® Plus 488-conjugated FABP1 Monoclonal antibody

Catalog Number:CL488-68227



## Basic Information

Catalog Number:	GenBank Accession Number:	Purification Method:
CL488-68227	BC032801	Protein G purification
Size:	GeneID (NCBI):	CloneNo.:
100ul , Concentration: 1000 ug/ml by Nanodrop;	2168	1B6C8
Source:	UNIPROT ID:	Recommended Dilutions:
Mouse	P07148	IF-P 1:50-1:500
Isotype:	Full Name:	Excitation/Emission maxima wavelengths:
IgG1	fatty acid binding protein 1, liver	493 nm / 522 nm
Immunogen Catalog Number:	Calculated MW:	
AG32836	127 aa, 14 kDa	
	Observed MW:	
	14 kDa	

## Applications

Tested Applications:	Positive Controls:
IF-P	IF-P : mouse small intestine tissue,
Species Specificity:	
human, mouse, rat, pig	

## Background Information

FABP1, liver fatty acid-binding protein, is abundant in cytoplasm that regulates lipid transport and metabolism. It plays a role in lipoprotein-mediated cholesterol uptake in hepatocytes (PMID:25732850). FABP1 is mainly expressed in hepatocytes, enterocytes and to a lesser degree in renal tubular cells, associated with liver injury (PMID: 15653098). Levels of FABP1 was elevated in patients with hepatocyte injury secondary to alcohol or drug toxicity (PMID: 14563446).

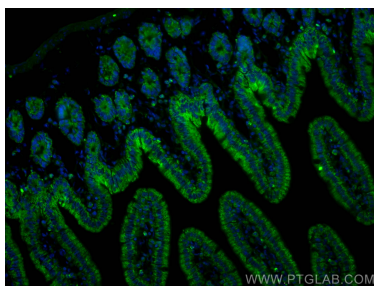
## Storage

**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

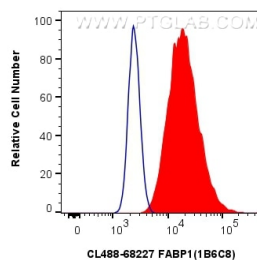
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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## Selected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



Immunofluorescent analysis of (4% PFA) fixed mouse small intestine tissue using Coralite® Plus 488 FABP1 antibody (CL488-68227, Clone: 1B6C8) at dilution of 1:200.



1x10<sup>6</sup> HepG2 cells were intracellularly stained with 0.8 ug Coralite® Plus 488-conjugated FABP1 Monoclonal antibody (CL488-68227, Clone:1B6C8) (red), or 0.8 ug Coralite® Plus 488 Mouse IgG1 Isotype Control (1F8D3) (CL488-66360-1, Clone: 1F8D3) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).