

For Research Use Only

CoraLite® Plus 488-conjugated FABP1 Monoclonal antibody



Catalog Number: CL488-68227

Basic Information

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

Applications

Tested Applications: FC (Intra), IF	Positive Controls: IF : mouse small intestine tissue,
Species Specificity: Human, pig, mouse, rat	

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

*** 20ul sizes contain 0.1% BSA

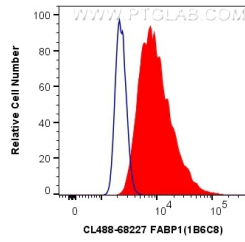
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)

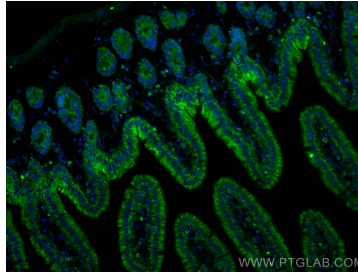
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



1X10⁶ HepG2 cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human FABP1 (CL488-68227, Clone:1B6C8) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



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.