

For Research Use Only

CoraLite® Plus 488-conjugated FABP1 Monoclonal antibody

Catalog Number: CL488-68227



Basic Information

Catalog Number:

CL488-68227

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG32836

GenBank Accession Number:

BC032801

GeneID (NCBI):

2168

UNIPROT ID:

P07148

Full Name:

fatty acid binding protein 1, liver

Calculated MW:

127 aa, 14 kDa

Observed MW:

14 kDa

Purification Method:

Protein G purification

CloneNo.:

1B6C8

Recommended Dilutions:

IF-P 1:50-1:500

Excitation/Emission maxima

wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF-P

Species Specificity:

human, mouse, rat, pig

Positive Controls:

IF-P: mouse small intestine tissue,

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:

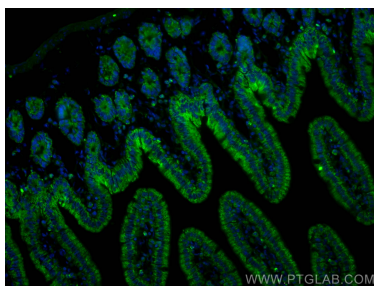
T: 4006900926

E: Proteintech-CN@ptglab.com

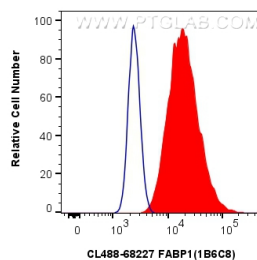
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Selected Validation Data



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.



1×10^6 HepG2 cells were intracellularly stained with 0.8 μ g CoraLite® Plus 488-conjugated FABP1 Monoclonal antibody (CL488-68227, Clone:1B6C8) (red), or 0.8 μ g 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).