

For Research Use Only

CoraLite® Plus 488-conjugated Fibronectin Monoclonal antibody



Catalog Number:CL488-66042

Featured Product

1 Publications

Basic Information

Catalog Number:

CL488-66042

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG8016

GenBank Accession Number:

BC005858

GeneID (NCBI):

2335

UNIPROT ID:

P02751

Full Name:

fibronectin 1

Calculated MW:

2386 aa, 263 kDa

Observed MW:

263 kDa

Purification Method:

Protein G purification

CloneNo.:

1G10F9

Recommended Dilutions:

IF-P 1:50-1:500

IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC, IF-P

Cited Applications:

IHC

Species Specificity:

human, mouse, rat

Cited Species:

mouse

Positive Controls:

IF-P : human colon cancer tissue,

IF/ICC : NIH/3T3 cells,

Background Information

Fibronectin 1 (FN1) is a high molecular weight glycoprotein which exists in both a soluble form in plasma (plasma FN1) and other body fluids and an insoluble form in the extracellular matrix (cellular FN1). Plasma FN1 (dimeric form) is secreted by hepatocytes. Cellular FN (dimeric or cross-linked multimeric forms), made by fibroblasts, epithelial and other cell types, is deposited as fibrils in the extracellular matrix. FN1 binds to cell surfaces through integrins and to various compounds including collagen, fibrin and heparin. It is involved in cell adhesion and migration processes including embryogenesis, wound healing, hemostasis, host defense, and metastasis. (PMID: 7276612; 12244123; 12847088)

Notable Publications

Author	Pubmed ID	Journal	Application
Xinyu Zhang	34712140	Front Pharmacol	IHC

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:

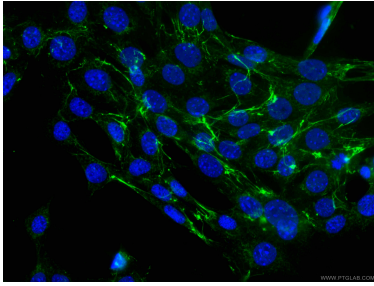
T: 4006900926

E: Proteintech-CN@ptglab.com

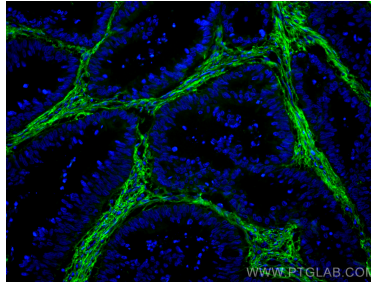
W: ptgcn.com

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 (-20°C Ethanol) fixed NIH/3T3 cells using CL488-66042 (Fibronectin antibody) at dilution of 1:100.



Immunofluorescent analysis of (4% PFA) fixed human colon cancer tissue using CoraLite® Plus 488 Fibronectin antibody (CL488-66042, Clone: 1G10F9) at dilution of 1:200.