

For Research Use Only

CoraLite®594-conjugated Fibronectin Monoclonal antibody

Catalog Number: CL594-66042

Featured Product



Basic Information

Catalog Number:

CL594-66042

Concentration:

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

FC (Intra): 0.40 ug per 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

588 nm / 604 nm

Applications

Tested Applications:

IF/ICC, IF-P, FC (Intra)

Species Specificity:

human, mouse, rat

Positive Controls:

IF-P: human colon cancer tissue,

IF/ICC: NIH/3T3 cells,

FC (Intra): HEK-293 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)

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, pH7.3

Aliquoting is unnecessary for -20°C storage

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

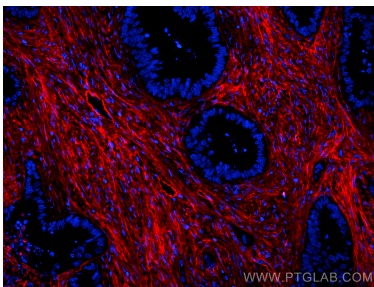
T: 4006900926

E: Proteintech-CN@ptglab.com

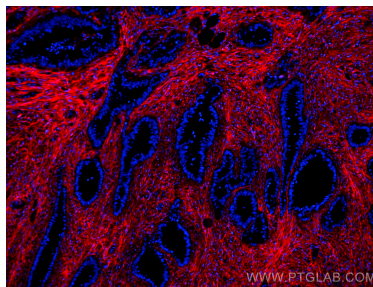
W: ptgcn.com

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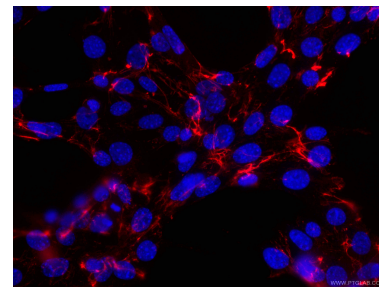
Selected Validation Data



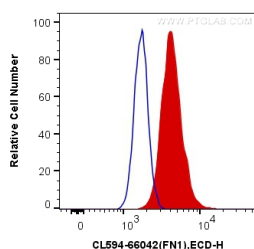
Immunofluorescent analysis of (4% PFA) fixed human colon cancer tissue using CoraLite®594 Fibronectin antibody (CL594-66042, Clone: 1G10F9) at dilution of 1:200.



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Immunofluorescent analysis of (-20°C Ethanol) fixed NIH/3T3 cells using CL594-66042 (Fibronectin antibody) at dilution of 1:100.



1X10⁶ HEK-293 cells were intracellularly stained with 0.4 ug CoraLite®594 Anti-Human Fibronectin (CL594-66042, Clone:1G10F9) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).