For Research Use Only

CoraLite®594-conjugated Fibronectin Polyclonal antibody

Catalog Number:CL594-15613 Featured Product 2 Publications

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Basic Information

Catalog Number:
CL594-15613

Size:
100ul , Concentration: 1000 ug/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG8004

GenBank Accession Number:
BC005858

GeneID (NCBI):
2335

UNIPROT ID:
P02751

Full Name:
fibronectin 1

Calculated MW:
2386 aa, 263 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
IF/ICC: 1:50-1:500
FC (Intra): 0.40 ug per 10^6 cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:
588 nm / 604 nm

Applications

Tested Applications:
IF/ICC, FC (Intra)

Cited Applications:
IF

Species Specificity:
human, mouse

Cited Species:
human

Positive Controls:

IF/ICC : NIH/3T3 cells,

FC (Intra) : 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
Jaclyn E. Welles	42182421	bioRxiv	IF
David Hughes	40806264	Int J Mol Sci	IF

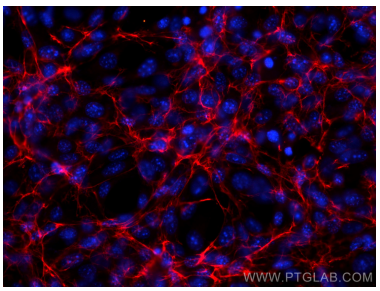
Storage

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

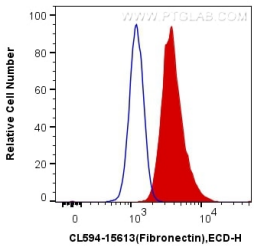
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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 Methanol) fixed NIH/3T3 cells using CoraLite®594 Fibronectin antibody (CL594-15613) at dilution of 1:200.



1X10^6 NIH/3T3 cells were intracellularly stained with 0.4 ug CoraLite®594 Anti-Human Fibronectin (CL594-15613) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer.