

For Research Use Only

CoraLite® Plus 488-conjugated Fibronectin Recombinant monoclonal antibody

Catalog Number: CL488-80911-4



Basic Information

Catalog Number:	CL488-80911-4	GenBank Accession Number:	NM_212482.4	Purification Method:	Protein A purification
Size:	100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI):	2335	CloneNo.:	251989E12
Source:	Rabbit	UNIPROT ID:	P02751-15	Recommended Dilutions:	IF/ICC: 1:50-1:500
Isotype:	IgG	Full Name:	fibronectin 1	Excitation/Emission maxima wavelengths:	493 nm / 522 nm
Immunogen Catalog Number:	EG5117	Calculated MW:	272 kDa		
		Observed MW:	220-275 kDa		

Applications

Tested Applications:	Positive Controls:
IF/ICC	IF/ICC : NIH/3T3 cells,
Species Specificity:	
human, mouse, rat	

Background Information

Fibronectin (fibronectin) is a kind of macromolecular glycoprotein widely existing in extracellular matrix (ECM), plasma and various cell surfaces, which plays a central role in key biological processes such as cell adhesion, migration, proliferation, differentiation, tissue repair and embryo development. Fibronectin is usually a dimer structure, which consists of two subunits connected by disulfide bonds. There are two main forms of Fibronectin: plasma Fibronectin(pFN) is synthesized by liver cells and exists in the blood, which is involved in the processes of coagulation and wound repair. Cellular Fibronectin(cFN) is synthesized by fibroblasts and other cells, deposited in extracellular matrix, and participates in the interaction between cells and matrix. Its molecular weight ranges from 220 to 275 kDa.

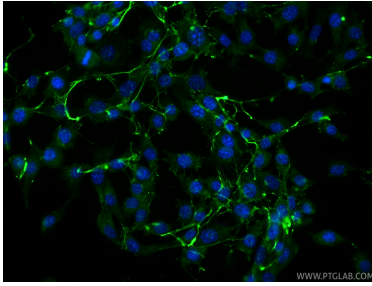
Storage

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
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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 CoraLite® Plus 488 Fibronectin antibody (CL488-80911-4, Clone: 251989E12) at dilution of 1:200.