

For Research Use Only

CoraLite® Plus 488-conjugated TNC/Tenascin-C Monoclonal antibody



Catalog Number: **CL488-67710**

Basic Information

Catalog Number: CL488-67710	GenBank Accession Number: BC151843	Purification Method: Protein G purification
Size: 1000 µg/ml	GeneID (NCBI): 3371	CloneNo.: 1F7G8
Source: Mouse	UNIPROT ID: P24821	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG1	Full Name: tenascin C	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG21412	Calculated MW: 2201 aa, 241 kDa	
	Observed MW: 260 kDa	

Applications

Tested Applications:
IF-P

Species Specificity:
Human, Mouse, Rat

Positive Controls:

IF : mouse brain tissue,

Background Information

Tenascin-C (TNC) is a large hexameric extracellular matrix glycoprotein of the tenascin family (PMID: 21818551). It is a multimodular protein containing multiple epidermal growth factor (EGF)-like repeats and fibronectin type III (FN III) domains (PMID: 1719530). Tenascin-C is highly expressed during embryonic development, particularly in the developing central nervous system, around motile cells and at epithelial-mesenchymal interaction sites (PMID: 25738825). In adult tissues, the expression and the distribution of TNC are typically limited under normal physiological conditions. It is upregulated during injury, inflammation, regeneration, and cancer (PMID: 7694605; 25120494). Tenascin-C is a diverse protein that can produce different functions including regulating cell adhesion, migration and proliferation.

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:

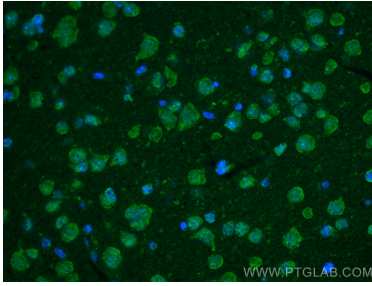
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using CoraLite® Plus 488 TNC/Tenascin-C antibody (CL488-67710, Clone: 1F7G8) at dilution of 1:200.