

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

Catalog Number: CL488-67710

Basic Information

Catalog Number:

CL488-67710

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG21412

GenBank Accession Number:

BC151843

GeneID (NCBI):

3371

UNIPROT ID:

P24821

Full Name:

tenascin C

Calculated MW:

2201 aa, 241 kDa

Observed MW:

260 kDa

Purification Method:

Protein G purification

CloneNo.:

1F7G8

Recommended Dilutions:

IF-P 1:50-1:500

**Excitation/Emission maxima
wavelengths:**

493 nm / 522 nm

Applications

Tested Applications:

IF-P

Species Specificity:

Human, Mouse, Rat

Positive Controls:

IF-P : 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:

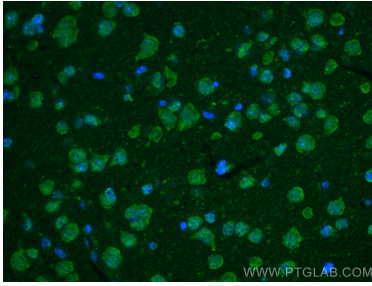
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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.