

For Research Use Only

TNC/Tenascin-C Recombinant antibody, PBS Only (Capture)

Catalog Number: 83767-1-PBS



Basic Information

Catalog Number: 83767-1-PBS	GenBank Accession Number: BC151843	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 3371	CloneNo.: 240844A2
Source: Rabbit	UNIPROT ID: P24821	
Isotype: IgG	Full Name: tenascin C	
Immunogen Catalog Number: AG27122	Calculated MW: 2201 aa, 241 kDa	
	Observed MW: 220-350 kDa, 190-240 kDa	

Applications

Tested Applications:
WB, IHC, Cytometric bead array, Indirect ELISA

Species Specificity:
human

Product Information

83767-1-PBS targets TNC/Tenascin-C as part of a matched antibody pair:

MP00755-3: 83767-1-PBS capture and 83767-4-PBS detection (validated in Cytometric bead array)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

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

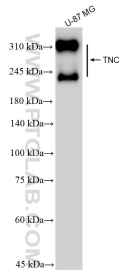
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

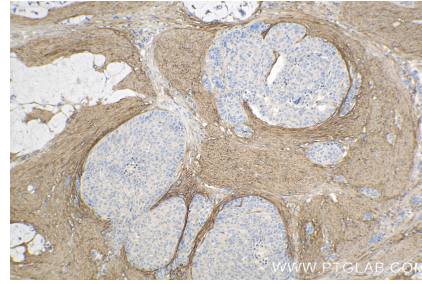
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

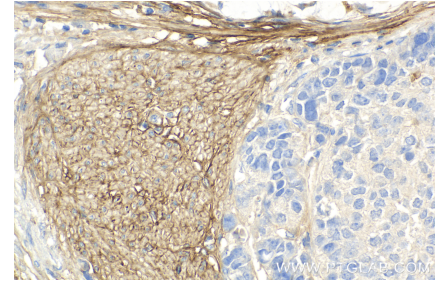
Selected Validation Data



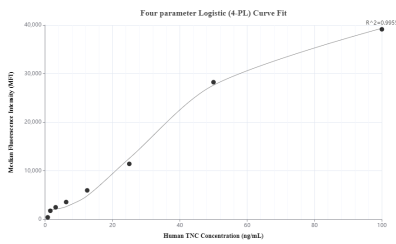
U-87 MG cells were subjected to SDS PAGE followed by western blot with 83767-1-RR (TNC antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83767-1-PBS in a different storage buffer formulation.



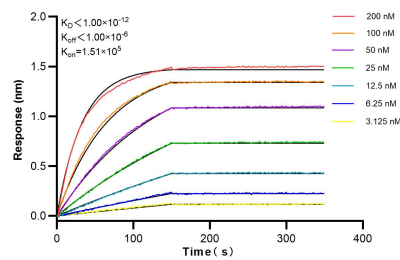
Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 83767-1-RR (TNC/Tenascin-C antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 83767-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 83767-1-RR (TNC/Tenascin-C antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 83767-1-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP00755-3, TNC/Tenascin-C Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83767-1-PBS. Detection antibody: 83767-4-PBS. Standard: Ag27122. Range: 0.78-100 ng/mL.



Biolayer interferometry (BLI) kinetic assays of 83767-1-RR against Human TNC/Tenascin-C were performed. The affinity constant is below 1 pM.