

Product datasheet for **TA309913**

Tenascin C (TNC) Mouse Monoclonal Antibody [Clone ID: 4C8MS]

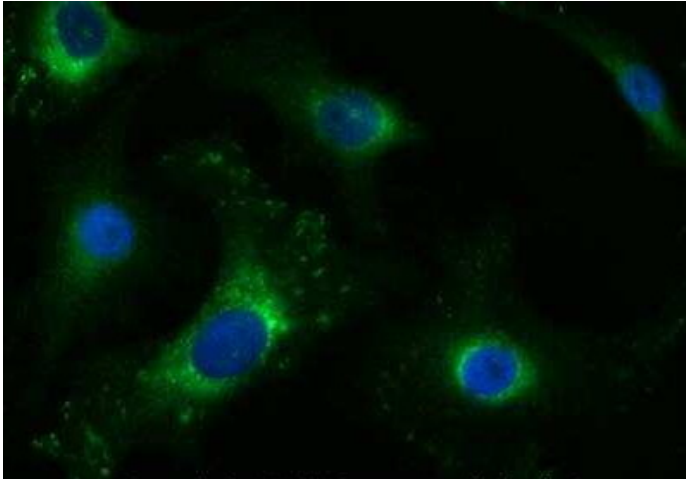
Product data:

Product Type:	Primary Antibodies
Clone Name:	4C8MS
Applications:	CyTOF-ready, ELISA, FC, ICC/IF, IHC, WB
Recommended Dilution:	ELISA, Flow Cytometry: 1 ug per million cells, Immunocytochemistry/ Immunofluorescence: 1:10-1:500, Western Blot: 5 ug/ml, Immunohistochemistry-Frozen, Flow (Intracellular), Immunohistochemistry: 1:50, Immunohistochemistry-Paraffin: 1:50, CyTOF-ready
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant human Tenascin C [Swiss-Prot# P24821].
Formulation:	Tris-glycine, 150mM NaCl and 0.05% Sodium Azide
Concentration:	lot specific
Purification:	Protein A purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	tenascin C
Database Link:	NP_002151 Entrez Gene 21923 Mouse Entrez Gene 116640 Rat Entrez Gene 3371 Human P24821
Synonyms:	150-225; DFNA56; GMEM; GP; HXB; JI; TN; TN-C
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Secreted Protein, Transmembrane
Protein Pathways:	ECM-receptor interaction, Focal adhesion

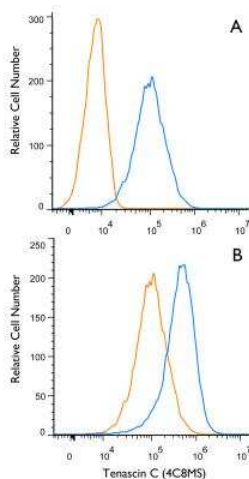


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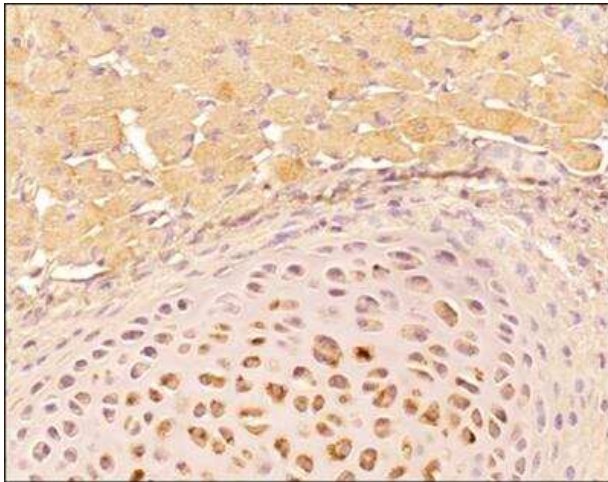
Product images:



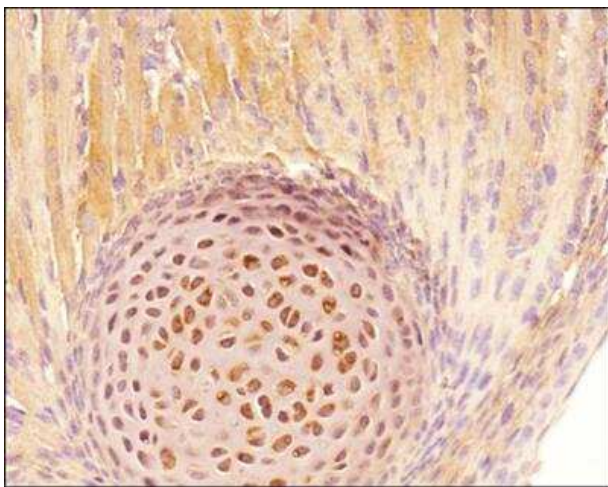
Immunocytochemistry/Immunofluorescence: Tenascin C Antibody (4C8MS) TA309913 - SK-MEL-28 cells were fixed for 10 minutes using 10% formalin and then permeabilized for 5 minutes using 1X PBS + 0.05% Triton-X100. The cells were incubated with anti-Tenascin C at 5 ug/ml overnight at 4C and detected with an anti-Mouse IgG Dylight 488 (Green) at a 1:500 dilution. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 40X objective.



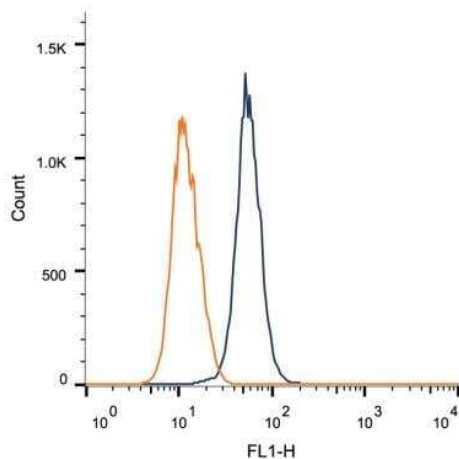
Flow (Intracellular): Tenascin C Antibody (4C8MS) TA309913 - Figure A: Intracellular stain performed on U87MG Cells with Tenascin C (4C8MS) antibody TA309913 (blue) and a matched isotype control NBP1-97005 (orange). Cells were fixed with 4% paraformaldehyde, following fixation, cells were permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 1 ug/mL for 30 minutes at room temperature, followed by mouse F(ab)2 IgG (H+L) APC-conjugated secondary antibody [F0101B, R&D Systems]. Figure B: U87MG Cells were either untreated (orange) or treated with 3uM Monensin (blue). An intracellular stain was performed with Tenascin C (4C8MS) antibody TA309913. Cells were fixed with 4% paraformaldehyde, following fixation, cells were permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 1 ug/mL for 30 minutes at room temperature, followed by mouse F(ab)2 IgG (H+L) APC-conjugated secondary antibody [F0101B, R&D Systems].



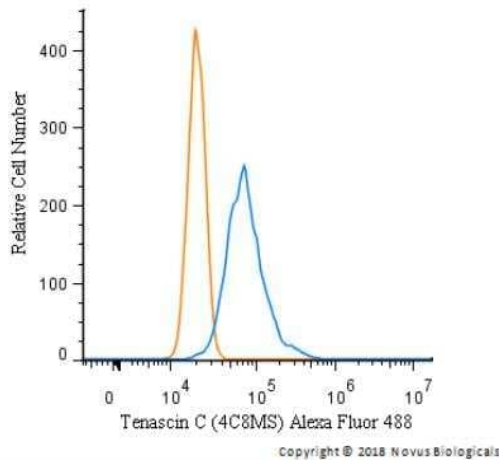
Immunohistochemistry-Paraffin: Tenascin C Antibody (4C8MS) TA309913 - IHC analysis of a formalin fixed paraffin embedded tissue section of mouse bone-tendon using Tenascin C antibody (clone 4C8MS) at 1:25 dilution. The signal was detected using HRP-DAB detection method which followed counterstaining using hematoxylin. The antibody generated a very specific cytoplasmic, membrane and extra-cellular signal in tendon fibroblasts, osteoblasts, osteoclasts, and some bone marrow cells. The mineralized areas were largely negative for the staining.



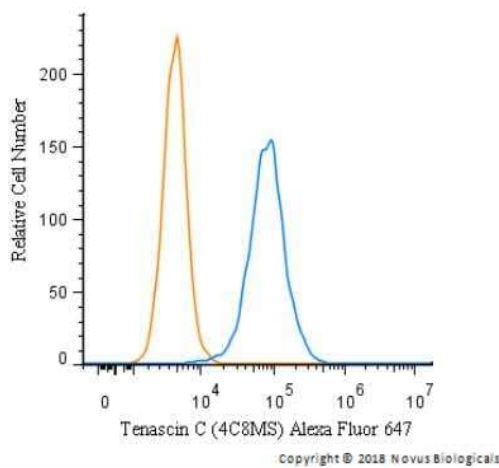
Immunohistochemistry-Paraffin: Tenascin C Antibody (4C8MS) TA309913 - IHC analysis of a formalin fixed paraffin embedded tissue section of mouse bone-tendon using Tenascin C antibody (clone 4C8MS) at 1:25 dilution. The signal was detected using HRP-DAB detection method which followed counterstaining using hematoxylin. The antibody generated a very specific cytoplasmic, membrane and extra-cellular signal in tendon fibroblasts, osteoblasts, osteoclasts, and some bone marrow cells. The mineralized areas were largely negative for the staining.



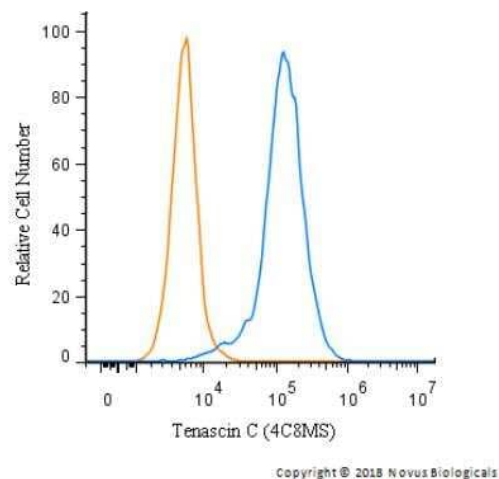
Flow Cytometry: Tenascin C Antibody (4C8MS) TA309913 - Intracellular flow cytometric staining of 1×10^6 MCF-7 cells using Tenascin C antibody (dark blue). Isotype control shown in orange. An antibody concentration of $1 \mu\text{g}/1 \times 10^6$ cells was used.



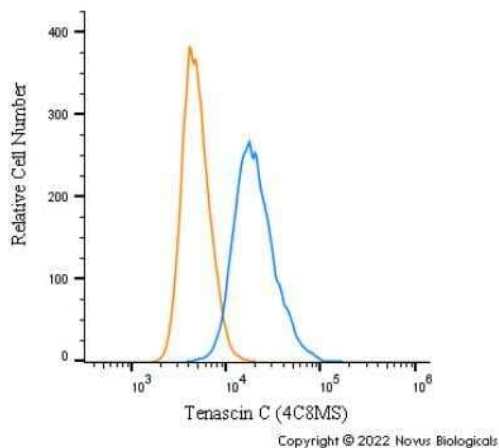
Flow Cytometry: Tenascin C Antibody (4C8MS) TA309913 - An intracellular stain was performed on SK-MEL-28 cells with Tenascin C Antibody (4C8MS) TA309913AF488 (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 5 ug/mL for 30 minutes at room temperature. Both antibodies were conjugated to Alexa Fluor 488.



Flow Cytometry: Tenascin C Antibody (4C8MS) TA309913 - An intracellular stain was performed on SK-MEL-28 cells with Tenascin C Antibody [4C8MS] TA309913AF647 (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 2.5 ug/mL for 30 minutes at room temperature. Both antibodies were conjugated to Alexa Fluor 647.



Flow Cytometry: Tenascin C Antibody (4C8MS) TA309913 - An intracellular stain was performed on SK-MEL-28 cells with Tenascin C Antibody (4C8MS) TA309913 and a matched isotype control. Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 2.5 ug/mL for 30 minutes at room temperature, followed by mouse F(ab)₂ IgG (H+L) APC-conjugated secondary antibody (F0101B, R&D Systems).



Flow Cytometry: Tenascin C Antibody (4C8MS) - BSA Free TA309913 - An intracellular stain was performed on MCF7 cells with Tenascin C Antibody (4C8MS) TA309913 (blue) and a matched isotype control MAB002 (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 1 ug/mL for 30 minutes at room temperature, followed by Mouse IgG (H+L) Cross-Adsorbed Secondary Antibody, Dylight 550 (84540, Thermo Fisher).