

# Product Datasheet

## Tenascin C Antibody (4C8MS) - Azide and BSA Free NBP2-80973

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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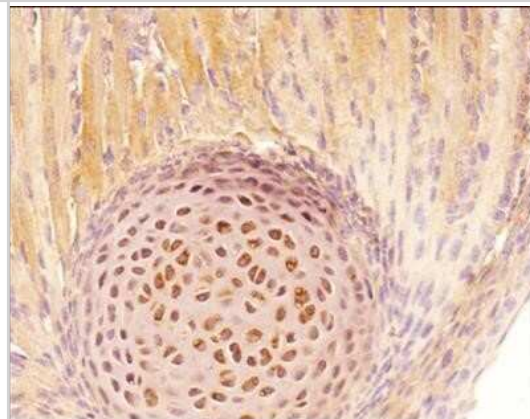
**NBP2-80973**

Tenascin C Antibody (4C8MS) - Azide and BSA Free

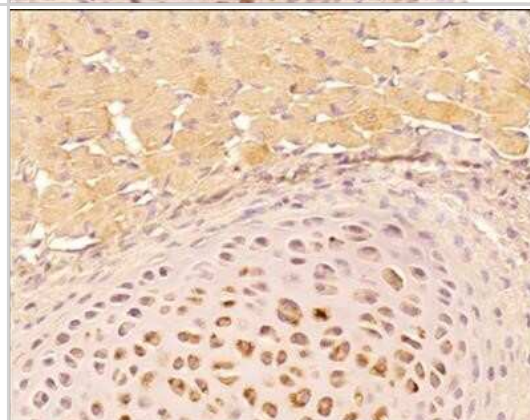
<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	4C8MS
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG1
<b>Purity</b>	Protein A purified
<b>Buffer</b>	PBS
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Mouse Tenascin C Antibody (4C8MS) - Azide and BSA Free (NB110-68136) is a monoclonal antibody validated for use in IHC, WB, ELISA, Flow, ICC/IF and IP. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	3371
<b>Gene Symbol</b>	TNC
<b>Species</b>	Human, Mouse, Rat, Feline
<b>Reactivity Notes</b>	Feline reactivity reported in customer review.
<b>Immunogen</b>	Recombinant human Tenascin C [Swiss-Prot# P24821].
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, ELISA, Flow Cytometry, Flow (Intracellular), Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation, CyTOF-ready
<b>Recommended Dilutions</b>	Western Blot 5 ug/ml, Flow Cytometry 1 ug per million cells, ELISA, Immunohistochemistry 1:50, Immunocytochemistry/ Immunofluorescence 1:10-1:500. Use reported in scientific literature (PMID 21871891), Immunoprecipitation reported in scientific literature (PMID 27256716), Immunohistochemistry-Paraffin 1:50, Immunohistochemistry-Frozen, Flow (Intracellular), CyTOF-ready
<b>Application Notes</b>	For use in IHC-P, it is recommended to incubate primary antibody for at least 2 hours at room temperature followed by ON incubation at 4C. This antibody is CyTOF ready.

## Images

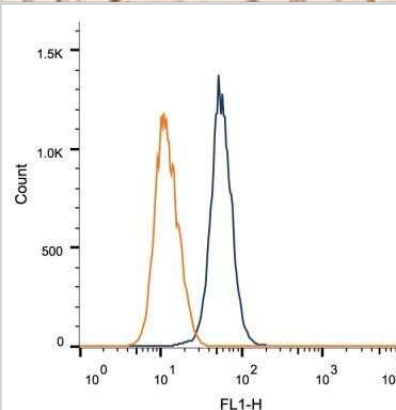
**Immunocytochemistry: Tenascin C Antibody (4C8MS) - Azide and BSA Free [NBP2-80973] - IHC analysis of a formalin fixed paraffin embedded tissue section of mouse bone-tendon using Tenascin C antibody (clone 4C8MS) at 1:25 dilution. The signal was detected using HRP-DAB detection method which followed counterstaining using hematoxylin. The a**



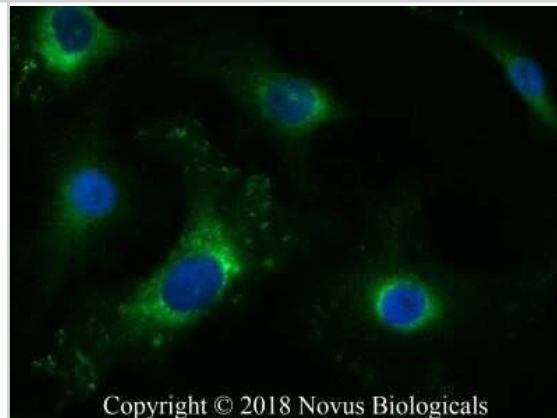
**Immunohistochemistry-Paraffin: Tenascin C Antibody (4C8MS) - Azide and BSA Free [NBP2-80973] - IHC analysis of a formalin fixed paraffin embedded tissue section of mouse bone-tendon using Tenascin C antibody (clone 4C8MS) at 1:25 dilution. The signal was detected using HRP-DAB detection method which followed counterstaining using hematoxylin. The a**



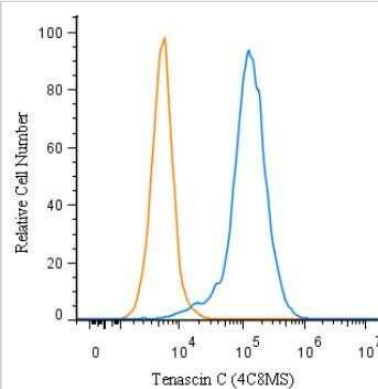
**Flow Cytometry: Tenascin C Antibody (4C8MS) - Azide and BSA Free [NBP2-80973] - Intracellular flow cytometric staining of  $1 \times 10^6$  MCF-7 cells using Tenascin C antibody (dark blue). Isotype control shown in orange. An antibody concentration of  $1 \text{ ug}/1 \times 10^6$  cells was used. Image from the standard format of this antibody.**



**Immunocytochemistry/Immunofluorescence: Tenascin C Antibody (4C8MS) - Azide and BSA Free [NBP2-80973] - 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. Image from the standard format of this antibody.**

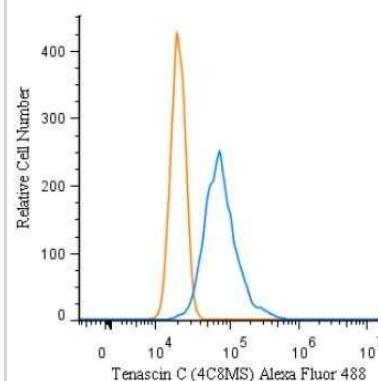


Flow Cytometry: Tenascin C Antibody (4C8MS) - Azide and BSA Free [NBP2-80973] - An intracellular stain was performed on SK-MEL-28 cells with Tenascin C Antibody (4C8MS) NB110-68136 and a matched isotype control. Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated 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). Image from the standard format of this antibody.



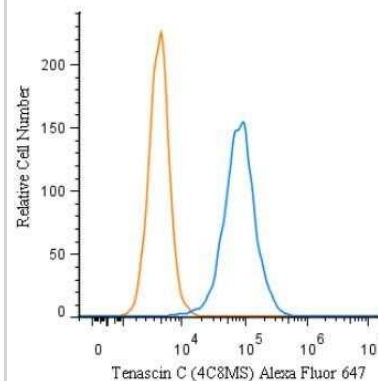
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Flow Cytometry: Tenascin C Antibody (4C8MS) - Azide and BSA Free [NBP2-80973] - An intracellular stain was performed on SK-MEL-28 cells with Tenascin C Antibody (4C8MS) NB110-68136AF488 (blue) and a matched isotype control (orange). Cells were fixed 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 directly conjugated to Alexa Fluor 488.



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Flow Cytometry: Tenascin C Antibody (4C8MS) - Azide and BSA Free [NBP2-80973] - An intracellular stain was performed on SK-MEL-28 cells with Tenascin C Antibody [4C8MS] NB110-68136AF647 (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 directly conjugated to Alexa Fluor 647.



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### **Products Related to NBP2-80973**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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