

# Product Datasheet

## S100B Antibody (15F4NB) - Azide and BSA Free NBP2-45225

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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**NBP2-45225**

S100B Antibody (15F4NB) - Azide and BSA Free

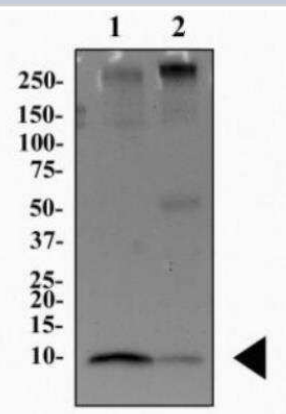
Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	15F4NB
Preservative	No Preservative
Isotype	IgG2b Kappa
Purity	Protein G purified
Buffer	PBS

Product Description	
Description	Novus Biologicals Mouse S100B Antibody (15F4NB) - Azide and BSA Free (NBP2-45225) is a monoclonal antibody validated for use in IHC, WB, Flow and ICC/IF. Anti-S100B Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	6285
Gene Symbol	S100B
Species	Human
Immunogen	Partial recombinant human S100B protein (amino acids 2-92) [UniProt P04271]

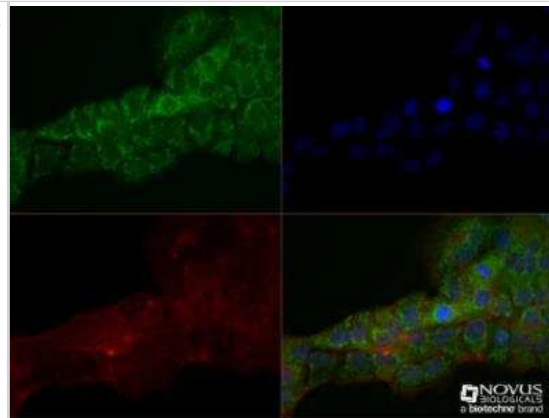
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, CyTOF-ready
Recommended Dilutions	Western Blot 2 ug/ml, Flow Cytometry 1:500, Immunohistochemistry 1:100 - 1:500, Immunocytochemistry/ Immunofluorescence 1:100, Immunohistochemistry-Paraffin 1:100 - 1:500, CyTOF-ready

**Images**

Western Blot: S100B Antibody (15F4NB) - Azide Free [NBP2-45225] - Total protein from human brain (lane 1) and mouse brain (lane 2) was separated on a 4-15% gel by SDS-PAGE, transferred to 0.2 um PVDF membrane for 30 minutes and blocked in 5% non-fat milk in TBST. The membrane was probed with 2 ug/ml anti-S100B in 1% milk and detected with an anti-mouse HRP secondary antibody using chemiluminescence.



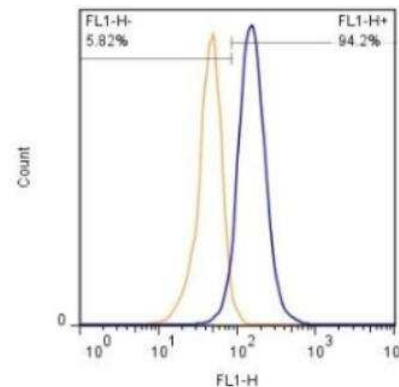
**Immunocytochemistry/Immunofluorescence: S100B Antibody (15F4NB) - Azide Free [NBP2-45225]** - A431 cells were fixed for 10 minutes using 10% formalin and then permeabilized for 5 minutes using 1X TBS + 0.5% Triton-X100. The cells were incubated with S100B (15F9NB) at a 1:100 dilution overnight at 4 degrees Celsius and detected with Dylight 488 (Green) at a 1:500 dilution. Actin was detected with Phalloidin 568 (Red) at a 1:200 dilution. Nuclei were detected with DAPI (Blue) at 2.0 ug/ml in 1X PBS. Cells were imaged using a 40X objective.



**Immunohistochemistry-Paraffin: S100B Antibody (15F4NB) - Azide Free [NBP2-45225]** - IHC analysis of S100B in human prostate



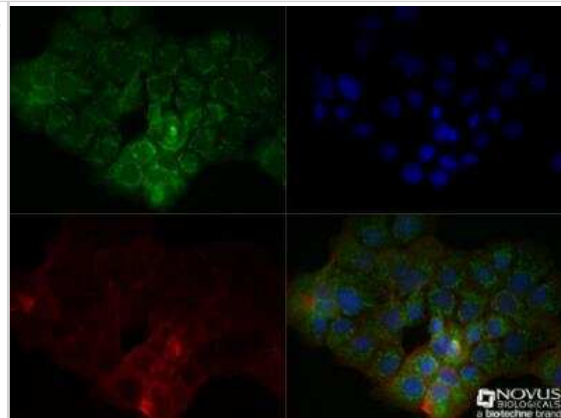
**Flow Cytometry: S100B Antibody (15F4NB) - Azide Free [NBP2-45225]** - Staining of A431 cells ( $1 \times 10^6$  cells/ml) with S100B antibody, clone 15F4.1D2 (orange) stained at a dilution of 1:500. Detected with a GtxRb Dylight 488 secondary. Shown with the secondary control (blue).



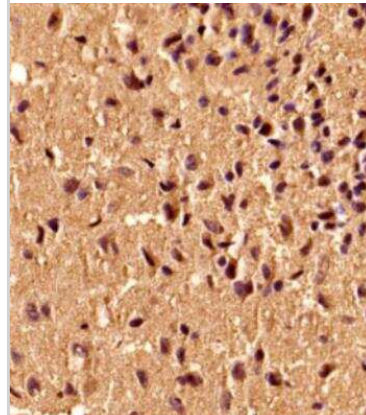
**Western Blot: S100B Antibody (15F4NB) - Azide Free [NBP2-45225]** - Total protein from human brain (lane 1) and mouse brain (lane 2) was separated on a 4-15% gel by SDS-PAGE, transferred to 0.2 um PVDF membrane for 30 minutes and blocked in 5% non-fat milk in TBST. The membrane was probed with 2 ug/ml anti-S100B in 1% milk and detected with an anti-mouse HRP secondary antibody using chemiluminescence.



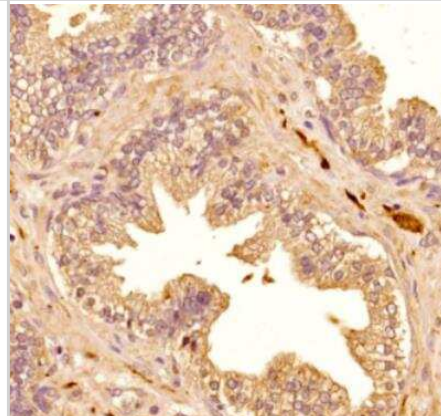
Immunocytochemistry/Immunofluorescence: S100B Antibody (15F4NB) - Azide Free [NBP2-45225] - Analysis in A431 cells were fixed for 10 minutes using 10% formalin and then permeabilized for 5 minutes using 1X TBS + 0.5% Triton-X100. The cells were incubated with S100B (15F4NB) at a 1:100 dilution overnight at 4 degrees Celsius and detected with Dylight 488 (Green) at a 1:500 dilution. Actin was detected with Phalloidin 568 (Red) at a 1:200 dilution. Nuclei were detected with DAPI (Blue) at 2.0 ug/ml in 1X PBS. Cells were imaged using a 40X objective.



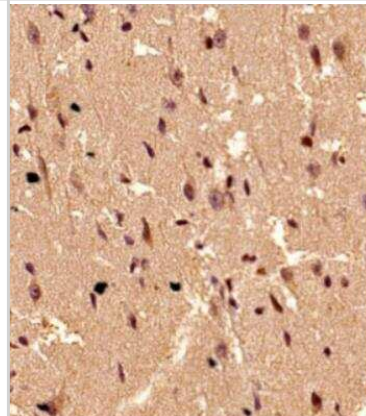
Immunohistochemistry-Paraffin: S100B Antibody (15F4NB) - Azide Free [NBP2-45225] - Analysis of S100B (15F4NB) in human brain tissue.



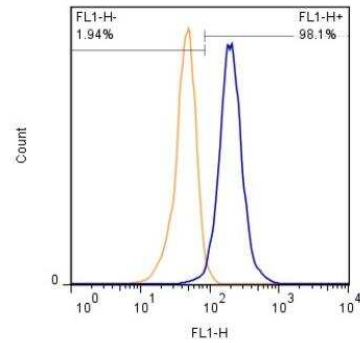
Immunohistochemistry-Paraffin: S100B Antibody (15F4NB) - Azide Free [NBP2-45225] - Analysis in human prostate tissue.



Immunohistochemistry-Paraffin: S100B Antibody (15F4NB) - Azide Free [NBP2-45225] - IHC analysis of S100B (15F9NB) in human brain.



Flow Cytometry: S100B Antibody (15F4NB) [Azide Free] [NBP2-45225] - Staining of A431 cells ( $1 \times 10^6$  cells/ml) with S100B antibody, clone 15F4.1D2 (orange) stained at a dilution of 1:500. Detected with a GtxRb Dylight 488 secondary. Shown with the secondary control (blue).



## Publications

Tan C, Yang C, Liu H Et Al. Effect of Schwann cell transplantation combined with electroacupuncture on axonal regeneration and remyelination in rats with spinal cord injury Anatomical record (Hoboken, N.J. : 2007) 2021-07-28 [PMID: 34319000]



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### Products Related to NBP2-45225

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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]
NBP1-43317-0.5mg	Mouse IgG2b Kappa Light Chain Isotype Control (MG2b)

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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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