

# Product Datasheet

## Fibroblast Surface Protein Antibody (1B10) NB100-1845

Unit Size: 0.1 ml

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

[www.novusbio.com](http://www.novusbio.com)



[technical@novusbio.com](mailto:technical@novusbio.com)

**Reviews: 2 Publications: 5**

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NB100-1845](http://www.novusbio.com/NB100-1845)

Updated 9/9/2025 v.20.1

**Earn rewards for product  
reviews and publications.**

Submit a publication at [www.novusbio.com/publications](http://www.novusbio.com/publications)

Submit a review at [www.novusbio.com/reviews/destination/NB100-1845](http://www.novusbio.com/reviews/destination/NB100-1845)



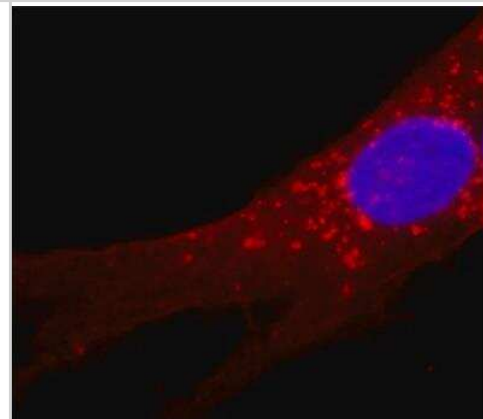
**NB100-1845****Fibroblast Surface Protein Antibody (1B10)**

<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	This product is unpurified. The exact concentration of antibody is not quantifiable.
<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>	1B10
<b>Preservative</b>	0.09% Sodium Azide
<b>Isotype</b>	IgM
<b>Purity</b>	Unpurified
<b>Buffer</b>	The product is provided as the immunoglobulin fraction of mouse ascites fluid in 0.01 M phosphate buffered saline, pH 7.4, containing 1% BSA.
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Mouse Fibroblast Surface Protein Antibody (1B10) (NB100-1845) is a monoclonal antibody validated for use in IHC, Flow and ICC/IF. Anti-Fibroblast Surface Protein Antibody: Cited in 5 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Species</b>	Human, Mouse
<b>Reactivity Notes</b>	Use in Mouse reported in scientific literature (PMID:33296650)
<b>Marker</b>	Fibroblast Marker
<b>Specificity/Sensitivity</b>	This fibroblast antigen has been demonstrated on human synovial, mammary, foreskin and thymic fibroblasts and in malignant fibrosarcoma tissue. The antigen is both cell membrane and lysosome associated.
<b>Immunogen</b>	cultured human thymic fibroblasts
<b>Product Application Details</b>	
<b>Applications</b>	Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Complement-dependent Cytotoxicity
<b>Recommended Dilutions</b>	Flow Cytometry 1:10-1:1000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Frozen 1:10-1:500, Complement-dependent Cytotoxicity 1:500



## Images

Immunocytochemistry/Immunofluorescence: Fibroblast Surface Protein Antibody (1B10) [NB100-1845] - Hs68 cells were fixed and permeabilized with methanol followed by acetone. Fixed cells were stained with 1:500 Anti-Fibroblast Surface Protein antibody, Mouse monoclonal, Clone: 1B10. The antibody was developed using Goat Anti-Mouse IgG, Cy3 conjugate. Cells were counterstained with DAPI (blue) to stain nuclei.



## Publications

Suet Theng Beh, Carlye Frisch, David A. Brafman, Jared Churko, Jessica E. Walker, Geidy E. Serrano, Lucia I. Sue, Eric M. Reiman, Thomas G. Beach, Lih-Fen Lue Human Autopsy-Derived Scalp Fibroblast Biobanking for Age-Related Neurodegenerative Disease Research Cells 2020-10-30 [PMID: 33143239]

Mitamura Y, Reiger M, Kim J et al. Spatial transcriptomics combined with single-cell RNA-sequencing unravels the complex inflammatory cell network in atopic dermatitis Allergy 2023-06-14 [PMID: 37312623] (IHC-Fr, Human)

Jamalpour MR, Yadegari A, Vahdatinia F et al. 3D-printed bi-layered polymer/hydrogel construct for interfacial tissue regeneration in a canine model Dental materials : official publication of the Academy of Dental Materials 2022-06-20 [PMID: 35738951] (ICC/IF, Human)

Fan H, Atiya HI, Wang Y Et al. Epigenomic Reprogramming toward Mesenchymal-Epithelial Transition in Ovarian-Cancer-Associated Mesenchymal Stem Cells Drives Metastasis Cell Rep 2020-12-09 [PMID: 33296650] (FLOW, Mouse)

### Details:

Citation using the Alexa Fluor 405 version of this antibody.

Traister A, Patel R, Huang A et al. Cardiac regenerative capacity is age- and disease-dependent in childhood heart disease PLoS ONE 2018-07-25 [PMID: 30044800] (IHC-Fr, Human)



### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NB100-1845**

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97007	Mouse IgM Isotype Control

### **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.

For more information on our 100% guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee)

Earn gift cards/discounts by submitting a review: [www.novusbio.com/reviews/submit/NB100-1845](http://www.novusbio.com/reviews/submit/NB100-1845)

Earn gift cards/discounts by submitting a publication using this product:  
[www.novusbio.com/publications](http://www.novusbio.com/publications)

