

# Product Datasheet

## Fibroblasts Antibody (TE-7)

### NBP2-50082

Unit Size: 50 ug

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

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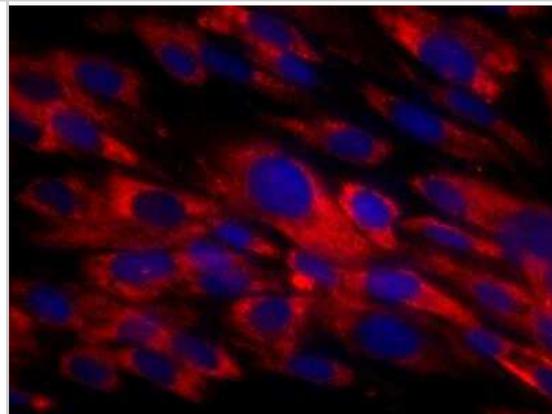
**NBP2-50082****Fibroblasts Antibody (TE-7)**

<b>Product Information</b>	
<b>Unit Size</b>	50 ug
<b>Concentration</b>	0.1 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>	TE-7
<b>Preservative</b>	0.07% Sodium Azide
<b>Isotype</b>	IgG1
<b>Purity</b>	Protein A or G purified
<b>Buffer</b>	PBS with 1 mg/ml BSA
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Mouse Fibroblasts Antibody (TE-7) (NBP2-50082) is a monoclonal antibody validated for use in IHC, Flow and ICC/IF. Anti-Fibroblasts Antibody: Cited in 8 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Species</b>	Human
<b>Specificity/Sensitivity</b>	The antibody reacts with fibroblasts in tissue as well as cultured fibroblasts. On skin sections the antibody reacts with stratum basal epidermal cells. The antigen defined by antibody TE-7 appears to be a marker for mesodermally derived (mesenchymal) human connective tissue and tumors derived from such tissue, e.g. fibrosarcomas (Haynes, B.F., et al. (1984). J. Exp. Med. 159(4):1149-1168). The antibody is useful for the assessment of thymic epithelial culture contamination with fibroblasts, and the identification of cells of mesodermal origin in the fetus.
<b>Immunogen</b>	Whole human thymic stoma cells (Haynes, B.F., et al. (1984). J. Exp. Med. 159 (4):1149-1168).
<b>Product Application Details</b>	
<b>Applications</b>	Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Flow Cytometry 1:100, Immunohistochemistry, Immunocytochemistry/Immunofluorescence 1:100-1:200, Immunohistochemistry-Paraffin

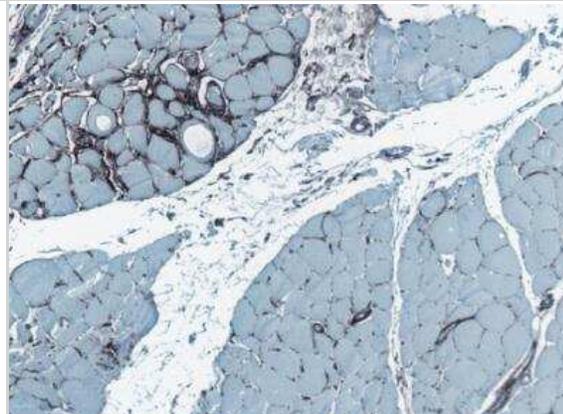


## Images

Immunocytochemistry/Immunofluorescence: Fibroblasts Antibody (TE-7) [NBP2-50082] - MRC-5 human embryonic lung fibroblast cell line, fixation with PFA 4%, blocking with PBS 1X + 1% BSA + 0.1% Tween, primary antibody used at 1:50 in blocking buffer, O/N. Secondary antibody: goat anti mouse Alexa Fluor 594 for 1 hour at RT. Signal was detected by fluorescence microscopy at 40X. This image was submitted via customer review.



Immunohistochemistry-Paraffin: Fibroblasts Antibody (TE-7) [NBP2-50082] - Paraffin-embedded gastrocnemius section from a patient with myopathic condition was performed overnight at 4 degrees C using 10 ug/mL.



## Publications

Weiss J, Mermin-Bunnell A, Solberg F et al. A Low-Cost, Open-Source 3D Printer for Multimaterial and High-Throughput Direct Ink Writing of Soft and Living Materials. *Advanced materials* (Deerfield Beach, Fla.) 2025-01-02 [PMID: 39748617]

Alexander Laure, Angelica Rigutto, Michaela B. Kirschner, Lennart Opitz, Linda Grob, Isabelle Opitz, Emanuela Felley-Bosco, Stefanie Hiltbrunner, Alessandra Curioni-Fontecedro, Charles B. Simone Genomic and Transcriptomic Analyses of Malignant Pleural Mesothelioma (MPM) Samples Reveal Crucial Insights for Preclinical Testing Cancers 2023-05-18 [PMID: 37345150] (Immunocytochemistry/ Immunofluorescence, Human, Mouse)

Liu, C;Shen, M;Liu, Y;Manhas, A;Zhao, SR;Zhang, M;Belbachir, N;Ren, L;Zhang, JZ;Caudal, A;Nishiga, M;Thomas, D;Zhang, A;Yang, H;Zhou, Y;Ameen, M;Sayed, N;Rhee, JW;Qi, LS;Wu, JC; CRISPRi/a screens in human iPSC-cardiomyocytes identify glycolytic activation as a druggable target for doxorubicin-induced cardiotoxicity *Cell stem cell* 2024-11-07 [PMID: 39515331]

Sulaiman R, De P, Aske JC et al. Tumor-TME Bipartite Landscape of PD-1/PD-L1 in Endometrial Cancers *International journal of molecular sciences* 2023-07-04 [PMID: 37446260] (ICC/IF, Human)

Sulaiman R, De P, Aske JC et al. Characterization and Clinical Relevance of Endometrial CAFs: Correlation between Post-Surgery Event and Resistance to Drugs *International journal of molecular sciences* 2023-03-29 [PMID: 37047422] (ICC/IF, Human)

Shen M, Zhao SR, Khokhar Y et al. Protocol to generate cardiac pericytes from human induced pluripotent stem cells STAR protocols 2023-04-27 [PMID: 37119139] (IHC, Human)

Sulaiman R, De P, Aske J et al. Patient-Derived Primary Cancer-Associated Fibroblasts Mediate Resistance to Anti-Angiogenic Drug in Ovarian Cancers *Biomedicines* 2023-01-01 [PMID: 36672620] (IHC, ICC/IF, Human)

Details:  
Intracellular Flow

Sgarminato V, Madrid-Wolff J, Boniface A et al. Tomographic volumetric bioprinting of 3D pancreatic cancer models *bioRxiv* 2023-01-24

Whitehead AJ, Hocker JD, Ren B, Engler AJ Improved epicardial cardiac fibroblast generation from iPSCs *Journal of molecular and cellular cardiology* 2021-11-24 [PMID: 34826415] (ICC/IF, Human)

Calabrese D, Roma G, Bergling S et al. Liver biopsy derived induced pluripotent stem cells provide unlimited supply for the generation of hepatocyte-like cells *PLoS One*. 2019-01-01 [PMID: 31465481] (ICC/IF, Human, Mouse)



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### **Products Related to NBP2-50082**

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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.

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

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