

# Product Datasheet

## Neutrophil Elastase/ELA2 Antibody (950334) - Azide and BSA Free MAB9167

Unit Size: 100 ug

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

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



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

**Reviews: 1 Publications: 3**

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/MAB9167](http://www.novusbio.com/MAB9167)

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/MAB9167](http://www.novusbio.com/reviews/destination/MAB9167)



**MAB9167**

Neutrophil Elastase/ELA2 Antibody (950334) - Azide and BSA Free

Product Information	
Unit Size	100 ug
Concentration	1.0 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	950334
Preservative	No Preservative
Isotype	IgG1
Purity	Protein A or G purified
Buffer	PBS

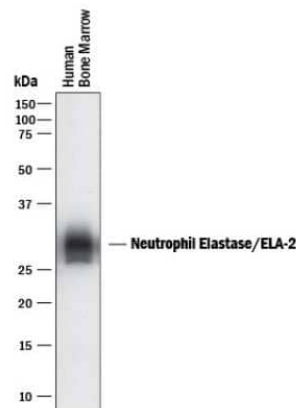
Product Description	
Description	Novus Biologicals Mouse Neutrophil Elastase/ELA2 Antibody (950334) - Azide and BSA Free (MAB9167) is a monoclonal antibody validated for use in IHC, WB, Flow and ICC/IF. Anti-Neutrophil Elastase/ELA2 Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	1991
Gene Symbol	ELANE
Species	Human
Immunogen	Partial recombinant human ELA2 protein (aa28-252)

Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunohistochemistry, CyTOF-ready, Immunocytochemistry
Recommended Dilutions	Western Blot, Flow Cytometry, Immunohistochemistry, Immunocytochemistry, CyTOF-ready
Application Notes	This antibody is Cytof ready.

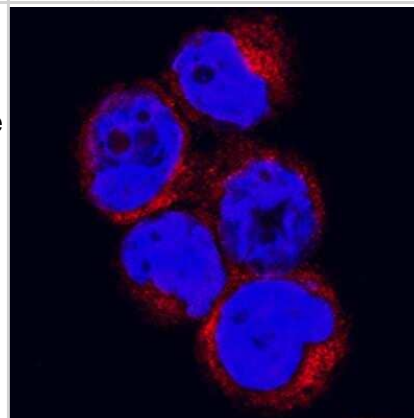


## Images

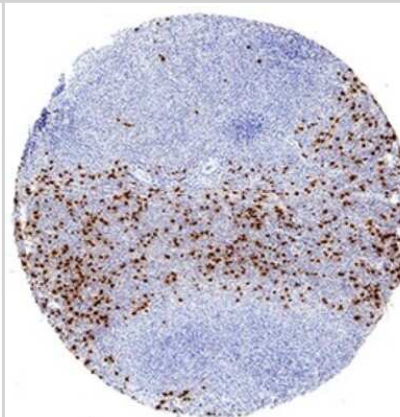
Western Blot: Neutrophil Elastase/ELA2 Antibody (950334) - Azide and BSA Free [MAB9167] - Neutrophil Elastase/ELA2 Antibody (950334) [MAB9167] - Analysis of human bone marrow tissue lysate with 0.5 ug/ml of hELA-2 Monoclonal Antibody followed by HRP-conjugated Anti-Mouse IgG Antibody. A specific band was detected for hELA-2 at approximately 25-30 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.



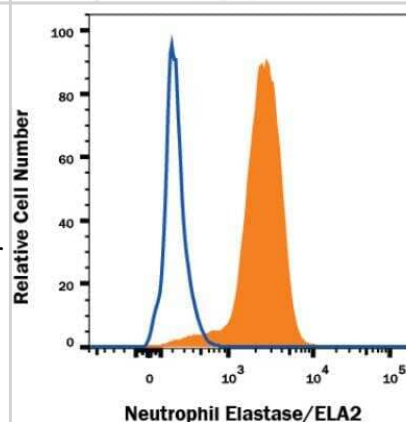
Immunocytochemistry: Neutrophil Elastase/ELA2 Antibody (950334) - Azide Free [MAB9167] - Neutrophil Elastase/ELA2 was detected in immersion fixed THP-1 cell using Neutrophil Elastase/ELA2 Monoclonal Antibody at 8 ug/ml dilution. Cells were stained using Donkey anti-Mouse IgG Secondary Antibody [NL557] (red) and counterstained with DAPI (blue). Specific staining was localized to cytoplasmic.



Immunohistochemistry: Neutrophil Elastase/ELA2 Antibody (950334) [MAB9167] - ELA-2 was detected in immersion fixed paraffin-embedded sections of human lymphoma using ELA-2 Monoclonal Antibody at 5 ug/ml. Tissue was stained using Mouse IgG VisUCyte HRP Polymer Antibody (brown) and counterstained with hematoxylin (blue). Specific staining was localized to cytoplasm in neutrophils .



Flow Cytometry: Neutrophil Elastase/ELA2 Antibody (950334) - Azide Free [MAB9167] - THP-1 human acute monocytic leukemia cell line treated with 3 uM monensin for 3 hours was stained with Mouse Anti-Human Neutrophil Elastase/ELA2 Monoclonal Antibody (Catalog # MAB9167, filled histogram) or isotype control antibody (Catalog # MAB002, open histogram), followed by Phycoerythrin-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # F0102B). To facilitate intracellular staining, cells were fixed with Flow Cytometry Fixation Buffer (Catalog # FC004) and permeabilized with Flow Cytometry Permeabilization/Wash Buffer I (Catalog # FC005).



## Publications

Alexander E. Kostyunin, Tatiana V. Glushkova, Arseniy A. Lobov, Evgeny A. Ovcharenko, Bozhana R. Zainullina, Leo A. Bogdanov, Daria K. Shishkova, Victoria E. Markova, Maksim A. Asanov, Rinat A. Mukhamadiyarov, Elena A. Velikanova, Tatiana N. Akentyeva, Maria A. Rezvova, Alexander N. Stasev, Alexey V. Evtushenko, Leonid S. Barbarash, Anton G. Kutikhin Proteolytic Degradation Is a Major Contributor to Bioprosthetic Heart Valve Failure Journal of the American Heart Association: Cardiovascular and Cerebrovascular Disease 2022-12-24 [PMID: 36565196]

Kostyunin A, Glushkova T, Stasev A et al. Early Postoperative Immunothrombosis of Bioprosthetic Mitral Valve and Left Atrium: A Case Report International journal of molecular sciences 2022-06-16 [PMID: 35743174]

Teluguakula Narasaraju, Indira Neeli, Sheila L. Criswell, Amita Krishnappa, Wenzhao Meng, Vasuki Silva, Galyna Bila, Volodymyr Vovk, Zolotukhin Serhiy, Gary L. Bowlin, Nuala Meyer, Eline T. Luning Prak, Marko Radic, Rostyslav Bilyy, Viswanathan Natarajan Neutrophil Activity and Extracellular Matrix Degradation: Drivers of Lung Tissue Destruction in Fatal COVID-19 Cases and Implications for Long COVID Biomolecules 2024-02-17 [PMID: 38397474]





### **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 MAB9167**

---

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)

---

### **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/MAB9167](http://www.novusbio.com/reviews/submit/MAB9167)

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

