

Product Datasheet

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

Unit Size: 100 ug

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

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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

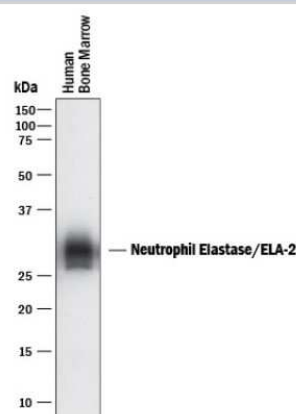
Product Description	
Description	Novus Biologicals Mouse Neutrophil Elastase/ELA2 Antibody (950334) - Azide and BSA Free (MAB9167) is a monoclonal antibody validated for use in IHC, WB, Flow and ICC/IF. Anti-Neutrophil Elastase/ELA2 Antibody: Cited in 3 publications. All Novus Biologicals antibodies 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 Cytotof ready.

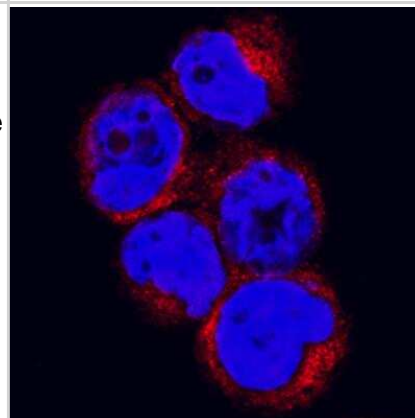


Images

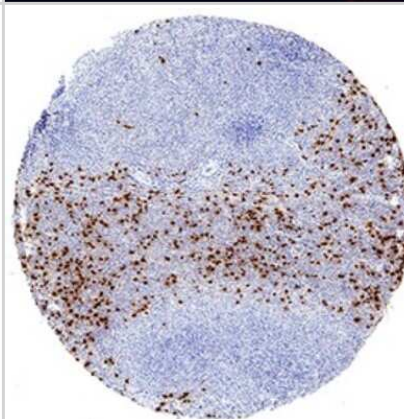
Western Blot: Neutrophil Elastase/ELA2 Antibody (950334) - Azide and BSA Free [MAB9167] - Neutrophil Elastase/ELA2 Antibody (950334) [MAB9167] - Analysis of human bone marrow tissue lysate with 0.5 ug/ml of hELA-2 Monoclonal Antibody followed by HRP-conjugated Anti-Mouse IgG Antibody. A specific band 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.



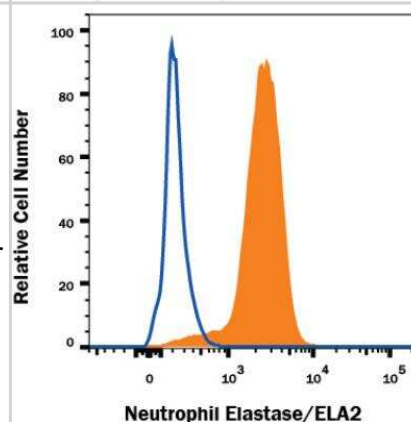
Immunocytochemistry: Neutrophil Elastase/ELA2 Antibody (950334) - Azide Free [MAB9167] - Neutrophil Elastase/ELA2 was detected in immersion fixed THP-1 cell using Neutrophil Elastase/ELA2 Monoclonal Antibody at 8 ug/ml dilution. Cells were stained using Donkey anti-Mouse IgG Secondary Antibody [NL557] (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]





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Products Related to MAB9167

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP2-57576PEP	Neutrophil Elastase/ELA2 Recombinant Protein Antigen

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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