

Product Datasheet

Lysozyme Antibody (BGN/0696/5B1) - BSA Free NB100-63062

Unit Size: 0.1 mg

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

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technical@novusbio.com

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NB100-63062

Lysozyme Antibody (BGN/0696/5B1) - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	BGN/0696/5B1
Preservative	0.09% Sodium Azide
Isotype	IgG2a
Purity	Protein A purified
Buffer	PBS
Product Description	
Description	Novus Biologicals Mouse Lysozyme Antibody (BGN/0696/5B1) - BSA Free (NB100-63062) is a monoclonal antibody validated for use in IHC, ELISA, Flow and ICC/IF. Anti-Lysozyme Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	4069
Gene Symbol	LYZ
Species	Human
Reactivity Notes	Use in Mouse reported in scientific literature (PMID:34099671).
Marker	Histiocytic Marker
Specificity/Sensitivity	NB100-63062 recognizes lysozyme, an enzyme that is present in mucosal secretions such as saliva and tears and is involved with non-specific organism defence. It functions by hydrolyzing 1,2-beta linkages between N-acetylmuramic acid and N-acetyl-D-glucosamine residues such as those found in the walls of various Gram-positive bacteria.
Immunogen	Native, from urine
Product Application Details	
Applications	Immunohistochemistry-Paraffin, ELISA, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, CyTOF-ready
Recommended Dilutions	Flow Cytometry 1:10, ELISA 1:100-1:2000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin 1:10-1:500, CyTOF-ready
Application Notes	Use in Immunocytochemistry/immunofluorescence reported in scientific literature (PMID: 29930984). This Lysozyme antibody (BGN/0696/5B1) is validated for CyTOF from a verified customer review.



Images

CyTOF-ready: Lysozyme Antibody (BGN/0696/5B1) [NB100-63062] - Human bone marrow after RBC lysis was stained with surface antibodies, fixed, permeabilized with methanol, stained with anti-lysozyme NB100-63062, and gated for the above populations per Nat Med. 2020. 26:408-417. CyTOF image submitted by a verified customer review.

Cell Type

neutrophils

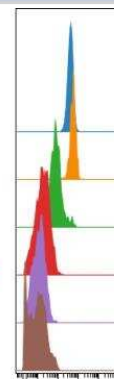
monocytes

blasts

T & NK cells

B cells

erythroids



lysozyme

Publications

Daniel Zeve, Eric Stas, Joshua de Sousa Casal, Prabhath Mannam, Wanshu Qi, Xiaolei Yin, Sarah Dubois, Manasvi S. Shah, Erin P. Syverson, Sophie Hafner, Jeffrey M. Karp, Diana L. Carlone, Jose Ordovas-Montanes, David T. Breault Robust differentiation of human enteroendocrine cells from intestinal stem cells Nature Communications 2022 -01-11 [PMID: 35017529]

Chang CY, Wang J, Zhao Y et al. Tumor suppressor p53 regulates intestinal type 2 immunity Nature communications 2021-06-07 [PMID: 34099671] (IF/IHC, Mouse)

Li J, Conrad C, Mills TW et al. PMN-derived netrin-1 attenuates cardiac ischemia-reperfusion injury via myeloid ADORA2B signaling The Journal of experimental medicine 2021-06-07 [PMID: 33891683]

Workman MJ, Gleeson JP, Troisi EJ et al. Enhanced Utilization of Induced Pluripotent Stem Cell-Derived Human Intestinal Organoids Using Microengineered Chips Cell Mol Gastroenterol Hepatol 2017-12-29 [PMID: 29930984] (ICC/IF, 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 NB100-63062

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-96778	Mouse IgG2a Isotype Control (M2A)
NB100-63062UV	Lysozyme Antibody (BGN/0696/5B1) [DyLight 350]

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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