

Product Datasheet

Ly-6G/Ly-6C Antibody (NIMP-R14) - Azide Free NB600-1387

Unit Size: 0.05 mg

Store at 4C.

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NB600-1387

Ly-6G/Ly-6C Antibody (NIMP-R14) - Azide Free

Product Information	
Unit Size	0.05 mg
Concentration	0.1 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	NIMP-R14
Preservative	No Preservative
Isotype	IgG2b
Purity	Protein G purified
Buffer	PBS containing 0.1% BSA

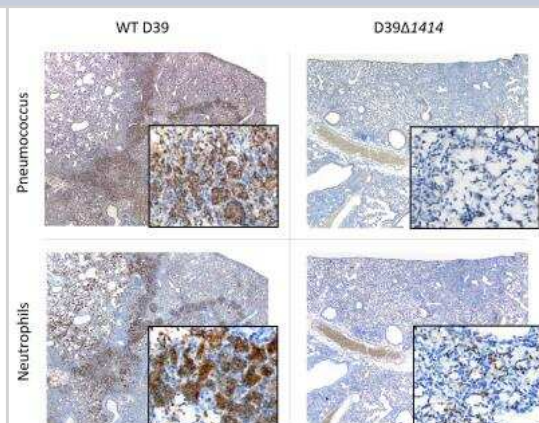
Product Description	
Host	Rat
Gene ID	546644
Gene Symbol	Ly6g
Species	Mouse
Specificity/Sensitivity	This monoclonal antibody is highly specific for murine Ly-6G and Ly-6C.
Immunogen	Purified BALB/c mouse neutrophils

Product Application Details	
Applications	Flow Cytometry, Functional, Immunoassay, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
Recommended Dilutions	Flow Cytometry 1:10-1:1000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:10-1:500, Immunohistochemistry-Paraffin 1:50, Immunohistochemistry-Frozen 1:50, Functional, Immunoassay
Application Notes	The monoclonal antibody NIMP-R14 has been successfully used to stain neutrophils for fluorescent activated cell sorting and in frozen and paraffin sections. ICC/IF reactivity reported in scientific literature (PMID: 32543747).

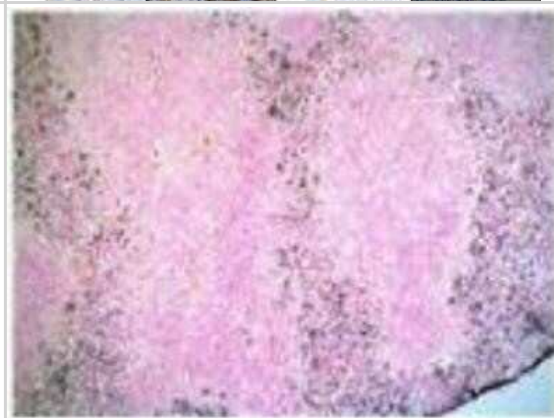


Images

Immunohistochemistry: Ly-6G/Ly-6C Antibody (NIMP-R14) [NB600-1387] - Histopathology of lung sections collected at 24 h pbi from mice co-infected with mouse adapted influenza A/Puerto Rico/8/34 (H1N1) (PR8) and type 2 pneumococcal strain D39 variants. Serial lung sections were subjected to immunohistochemistry (IHC) for pneumococcus using Rabbit Anti-*Streptococcus pneumoniae* Polyclonal Antibody (Catalog # NB100-64502) at 4 ug/mL or neutrophils using Rat Anti-Ly-6G/Ly-6C Monoclonal Antibody (Catalog # NB600-1387) at 2 ug/mL. Representative images at 4x magnification with 60x magnification inset are shown. Images courtesy of Dr. Amanda P. Smith, UTHSC, TN //doi.org/10.1101/659557



Immunohistochemistry-Frozen: Ly-6G/Ly-6C Antibody (NIMP-R14) [NB600-1387] - Staining for Ly-6G/Ly-6C FITC of frozen section of mouse spleen.



Publications

Selim Chaib, José Alberto López-Domínguez, Marta Lalinde-Gutiérrez, Neus Prats, Ines Marin, Olga Boix, Andrea García-Garijo, Kathleen Meyer, María Isabel Muñoz, Mònica Aguilera, Lidia Mateo, Camille Stephan-Otto Attolini, Susana Llanos, Sandra Pérez-Ramos, Marta Escorihuela, Fatima Al-Shahrour, Timothy P. Cash, Tamara Tchkonja, James L. Kirkland, María Abad, Alena Gros, Joaquín Arribas, Manuel Serrano The efficacy of chemotherapy is limited by intratumoral senescent cells expressing PD-L2 *Nature Cancer* 2024-01-24 [PMID: 38267628]

Anton PE, Rutt LN, Capper C et al. Profiling the oxylipidome in aged mice after chronic ethanol feeding: Identifying lipid metabolites as drivers of hepatocyte stress *Alcohol* 2023-03-01 [PMID: 36150611] (Immunohistochemistry)

Khazaie K, Osman A, Yan B, et al. TCF1 controls Treg functions that regulate inflammation, CD8 T-cell cytotoxicity, and severity of colon cancer *Nat Immunol* 2021-08-13 [PMID: 34385712]

JaEn RI, FernAndez-Velasco M, TerrOn V et al. BML-111 treatment prevents cardiac apoptosis and oxidative stress in a mouse model of autoimmune myocarditis *FASEB J.* 2020-06-16 [PMID: 32543747] (ICC/IF, Mouse)

Glueck B, Han Y, Cresci G. Tributyrin Supplementation Protects Immune Responses and Vasculature and Reduces Oxidative Stress in the Proximal Colon of Mice Exposed to Chronic-Binge Ethanol Feeding *Journal of Immunology Research* 2018-08-19 [PMID: 30211234] (IHC-P, Mouse)

Zahr A, Alcaide P, Yang J et al. Endomucin prevents leukocyte-endothelial cell adhesion and has a critical role under resting and inflammatory conditions. *Nat Commun.* 2016 Feb 02 [PMID: 26831939] (Flow, Human)

Details:

This citation used the PE version of this antibody.

Van Lent PL, Blom A, Holthuysen AE et al. Monocytes/macrophages rather than PMN are involved in early cartilage degradation in cationic immune complex arthritis in mice *J Leukoc Biol* [PMID: 9060449]

Details:

Used the FITC form of this antibody.

Lopez AF, Strath M, Sanderson CJ. Differentiation antigens on mouse eosinophils and neutrophils identified by monoclonal antibodies Br J Haematol 1984-07-01 [PMID: 6743568]

Details:

This citation used the FITC version of this antibody.

McLaren DJ, Strath M, Smithers SR. Schistosoma mansoni: evidence that immunity in vaccinated and chronically infected CBA/Ca mice is sensitive to treatment with a monoclonal antibody that depletes cutaneous effector cells Parasite Immunol [PMID: 3124065]

Details:

Used the FITC form of this antibody.

Navarini AA, Lang KS, Verschoor A et al. Innate immune-induced depletion of bone marrow neutrophils aggravates systemic bacterial infections Proc Natl Acad Sci USA [PMID: 19351895]

Details:

Used the FITC form of this antibody.

Nagendra S, Schlueter AJ. Absence of cross-reactivity between murine Ly-6C and Ly-6G Cytometry A 2004-04-01 [PMID: 15057973]

Details:

This citation used the FITC version of this antibody.

Tacchini-Cottier F, Zweifel C, Belkaid Y. An immunomodulatory function for neutrophils during the induction of a CD4+ Th2 response in BALB/c mice infected with Leishmania major J Immunol [PMID: 10946291]

Details:

Used the FITC form of this antibody.

More publications at <http://www.novusbio.com/NB600-1387>





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Products Related to NB600-1387

HAF005	Goat anti-Rat IgG Secondary Antibody [HRP]
F0105B	Goat anti-Rat IgG Secondary Antibody [Phycoerythrin]
DDXCR03	Rat IgG2b Isotype Control
NBP1-60139-0.05mg	Ly-6G/Ly-6C Antibody (NIMP-R14) [FITC]

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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