

Product Datasheet

Ly-6B.2 Antibody (7/4) - BSA Free NBP2-13077

Unit Size: 0.125 mg

Store at 4C. Do not freeze.

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NBP2-13077

Ly-6B.2 Antibody (7/4) - BSA Free

Product Information	
Unit Size	0.125 mg
Concentration	1.0 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Monoclonal
Clone	7/4
Preservative	0.09% Sodium Azide
Isotype	IgG2a
Purity	Protein G purified
Buffer	PBS

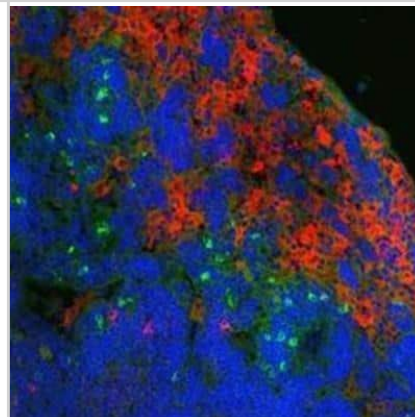
Product Description	
Description	Fusion Partners Spleen cells from AO rats were fused with cells from the Y3 Ag1.2.3 rat myeloma cell line.
Host	Rat
Species	Mouse
Reactivity Notes	Immunogen displays the following percentage of sequence identity for non-tested species: Rat (84%).
Specificity/Sensitivity	Recognizes Ly6B.2, a polymorphic 40 kDa antigen expressed by polymorphonuclear cells, but absent on resident tissue macrophages. Strains positive for 7/4:129J; AKR; C57BL/6; C57BL/10; C58; DBA/2; NZB; NZW; SJL; MFI; Swiss (PO) Strains Negative/Weak for 7/4:A2G; A/Sn; ASW; BALB/c; C3H/HEH; CBA.T6T6.
Immunogen	Cultured bone marrow cells

Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:100 - 1:2000, Flow Cytometry 1:50 - 1:100, Immunohistochemistry 1:10 - 1:500, Immunocytochemistry/ Immunofluorescence 1:10 - 1:500, Immunohistochemistry-Paraffin 1:10 - 1:500, Immunohistochemistry-Frozen 1:10 - 1:500

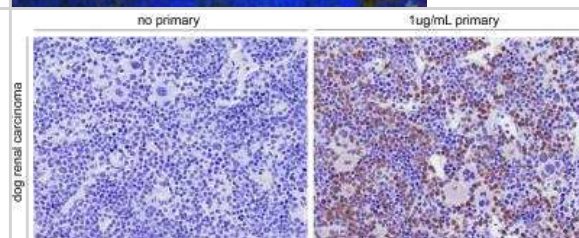


Images

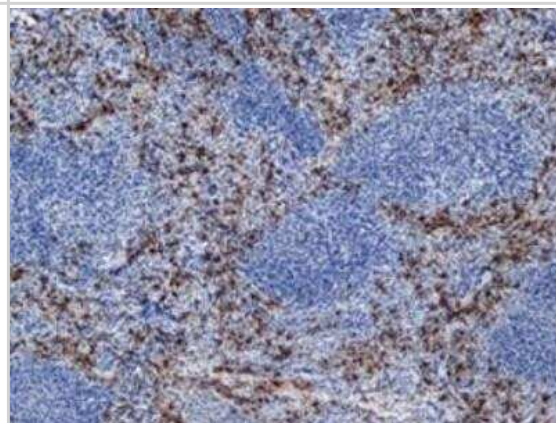
Immunocytochemistry/Immunofluorescence: Ly-6B.2 Antibody (7/4) [NBP2-13077] - IF staining of mouse Peyer's patch with Ly-6B.2 Antibody (7/4), NBP2-13077, green; counterstained for macrophages (F4/80), red and nuclei, blue.



Immunohistochemistry-Paraffin: Ly-6B.2 Antibody (7/4) [NBP2-13077] - Ly-6B.2 immunoreactivity in mouse bone marrow. Primary antibody was used at 125 ng/mL and was incubated with tissue sections for 30 minutes at room temperature. IHC-P image submitted by a verified customer review.



Immunohistochemistry-Frozen: Ly-6B.2 Antibody (7/4) [NBP2-13077] - Staining of C57BL6 mouse spleen cryosection with Ly-6B.2 antibody (7/4).



Publications

Wang Q, Sundar I, Li D et al. E-cigarette-Induced Pulmonary Inflammation and Dysregulated Repair are Mediated by nAChR $\gamma 7$ Receptor: Role of nAChR $\gamma 7$ in ACE2 Covid-19 receptor regulation Research Square 2022-11-07 [PMID: 32702718] (Flow Cytometry)

Sharma S, Wang Q, Muthumalage T, Rahman I. Epithelial Ablation of Miro1/Rhot1 GTPase Augments Lung Inflammation by Cigarette Smoke Pathophysiology 2021-11-26 [PMID: 35366248] (Flow Cytometry)

Ines Köhler, Cecilia Bivik Eding, Nada-Katarina Kasic, Deepti Verma, Charlotta Enerbäck NOS2-derived low levels of NO drive psoriasis pathogenesis Cell Death & Disease 2024-06-26 [PMID: 38926337]

Kaur G, Muthumalage T, Rahman I Clearance of senescent cells reverts the cigarette smoke-induced lung senescence and airspace enlargement in p16-3MR mice Aging cell 2023-04-20 [PMID: 37078230]

Janke LJ, Rehg JE The many faces of mouse histiocytic sarcoma in C57BL/6J mice Veterinary pathology 2023-05-03 [PMID: 37132518]

Lamb T, Muthumalage T, Meehan-Atrash J, Rahman I Nose-Only Exposure to Cherry- and Tobacco-Flavored E-Cigarettes Induced Lung Inflammation in Mice in a Sex-Dependent Manner Toxics 2022-08-13 [PMID: 36006150] (ICC/IF, Mouse)

Details:
ICC 1:250

Cao S, Hung YW, Wang YC et al. Glutamine is essential for overcoming the immunosuppressive microenvironment in malignant salivary gland tumors Theranostics 2022-08-08 [PMID: 35966597] (FLOW, Mouse)

Details:
APC conjugated

Karki R, Lee S, Mall R et al. ZBP1-dependent inflammatory cell death, PANoptosis, and cytokine storm disrupt IFN therapeutic efficacy during coronavirus infection Science immunology 2022-05-19 [PMID: 35587515] (IHC-P, Mouse)

Millard SM, Heng O, Opperman KS Et al. Fragmentation of tissue-resident macrophages during isolation confounds analysis of single-cell preparations from mouse hematopoietic tissues Cell reports 2021-11-23 [PMID: 34818538]

Leal IV JM Crosstalk between Innate and Adaptive Immune Cells within Lymph Node Microenvironments Shapes Immunity to Vaccines Thesis 1905-07-13

Wang Q, Khan N A et al Dysregulated repair and inflammatory responses by e-cigarette-derived inhaled nicotine and humectant propylene glycol in a sex-dependent manner in mouse lung FASEB Bioadv 2019-12-12 [PMID: 31825014] (FLOW, Mouse)

Details:
Citation using the Alexa Fluor 488 version of this antibody.

Eding CB, Köhler I, Verma D et al. MTH1 inhibitors for the treatment of psoriasis The Journal of investigative dermatology 2021-03-04 [PMID: 33676948] (IHC-P, Mouse)

More publications at <http://www.novusbio.com/NBP2-13077>





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 NBP2-13077

HAF005	Goat anti-Rat IgG Secondary Antibody [HRP]
F0105B	Goat anti-Rat IgG Secondary Antibody [Phycoerythrin]
NBP2-21947-0.1mg	Rat IgG2a Isotype Control (2A3)
NBP2-13077AF488	Ly-6B.2 Antibody (7/4) [Alexa Fluor® 488]

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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