Product Datasheet

CD161/NK1.1 Antibody (PK136) - BSA Free
NB100-77528

Unit Size: 0.5 mg

Store at 4C. Do not freeze.

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Publications: 11

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
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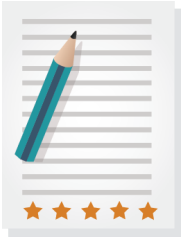
Updated 10/23/2024 v.20.1



NB100-77528

CD161/NK1.1 Antibody (PK136) - BSA Free

Product Information

Unit Size	0.5 mg
Concentration	1.0 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Monoclonal
Clone	PK136
Preservative	0.02% Sodium Azide
Isotype	IgG2a Kappa
Purity	Protein A or G purified
Buffer	PBS (pH 7.2)

Product Description

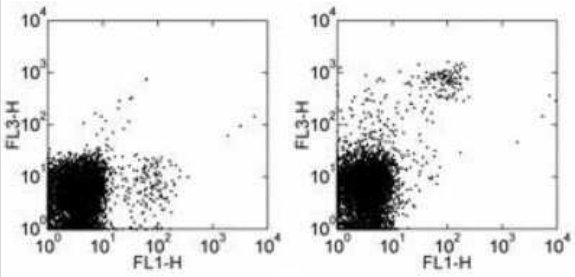
Host	Mouse
Gene ID	17059
Gene Symbol	Klrb1c
Species	Mouse
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Additional Mouse on Mouse blocking steps may be required for IHC and ICC experiments. Please contact Technical Support for more information.
Immunogen	NK-1+ cells from mouse spleen and bone marrow

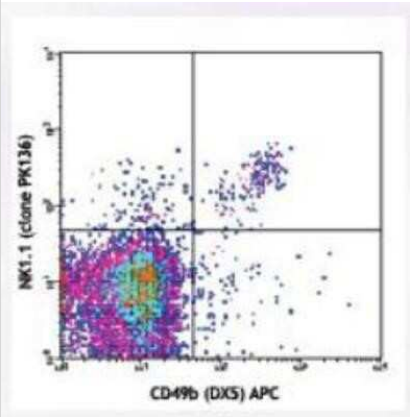
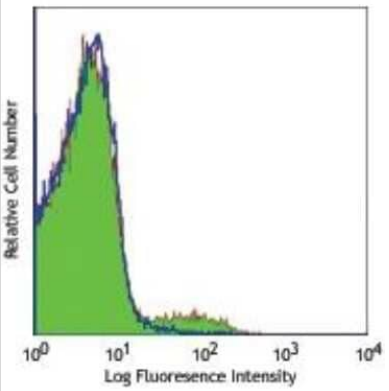
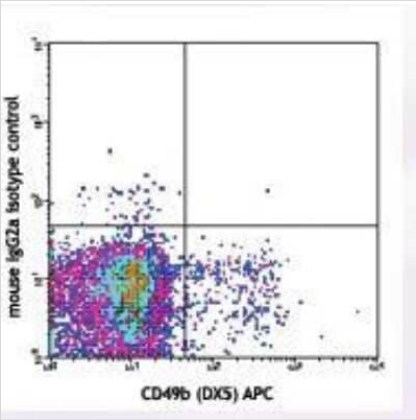
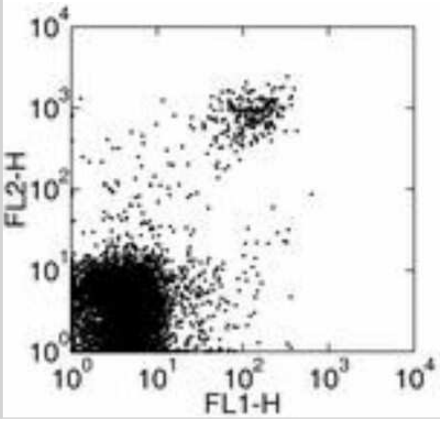
Product Application Details

Applications	Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Flow Cytometry < 1.0 ug/10^6 cells, Immunohistochemistry 1:20-1:1000, Immunocytochemistry/ Immunofluorescence 1:20-1:1000, Immunoprecipitation 1:20-1:1000, Immunohistochemistry-Paraffin 1:20-1:1000. Use reported in scientific literature (PMID 21118981), Immunohistochemistry-Frozen 1:20-1:1000
Application Notes	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is 0.25 ug/1 x10^6 cells in 100 ul. It is recommended that the reagent be titrated for optimal performance for each application.

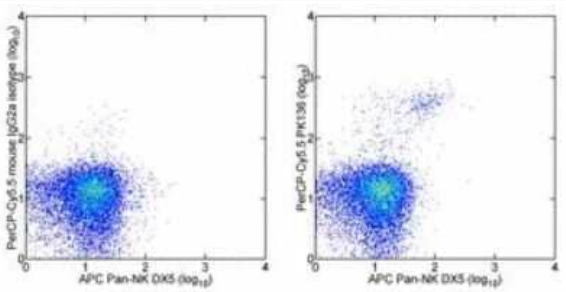
Images

Flow Cytometry: CD161/NK1.1 Antibody (PK136) [NB100-77528] - Analysis using the PE/Cy7 conjugate of NB100-77528. Staining of C57BL/6 splenocytes with Anti-Mouse CD49b (Integrin alpha 2) FITC and staining buffer (autofluorescence) (left) or Anti-Mouse NK1.1 PE-Cy7 (right). Total viable cells were used for analysis.



Flow Cytometry: CD161/NK1.1 Antibody (PK136) [NB100-77528] - Mouse splenocytes were stained with CD49b (DX5) APC and purified NK1.1 (clone PK136) (top) or mouse IgG2a isotype control (bottom), followed by anti-mouse IgG2a FITC.	
Flow Cytometry: CD161/NK1.1 Antibody (PK136) [NB100-77528] - C57BL/6 mouse splenocytes stained with purified PK136, followed by anti-mouse IgG2a FITC	
Flow Cytometry: CD161/NK1.1 Antibody (PK136) [NB100-77528] - Mouse.	
Flow Cytometry: CD161/NK1.1 Antibody (PK136) [NB100-77528] - Staining of C57BL/6 mouse splenocytes with Anti-Mouse NK-1.1 PE and Anti-Mouse CD49b (Integrin alpha 2) FITC. Total viable cells were used for analysis.	

Flow Cytometry: CD161/NK1.1 Antibody (PK136) [NB100-77528] - Analysis using the PerCP/Cy5.5 conjugate of NB100-77528. Staining of C57BL/6 splenocytes with Anti-Mouse CD49b (Integrin alpha 2) APC and 0.25 ug of Mouse IgG2a K Isotype Control PerCP-Cy5.5 (left) or 0.25 ug of Anti-Mouse NK1.1 PerCP-Cy5.5 (right). Total viable cells were used for analysis.



Publications

X Wu, A Tommasi di, Q Zhou, PJ Michel-Dzi, F Bai, J Mi, J Qin, T Zu, GFL Hofbauer The ARE-binding protein Tristetraprolin (TTP) is a novel target and mediator of calcineurin tumor suppressing function in the skin PLoS Genet., 2018-05-03;14(5):e1007366. 2018-05-03 [PMID: 29723192]

Chai C, Cox B, Yaish D et al. Agonist of RORA Attenuates Nonalcoholic Fatty Liver Progression in Mice via Up-regulation of MicroRNA 122 Gastroenterology 2020-09-01 [PMID: 32450149] (Immunohistochemistry-Frozen)

Cheng LS, Zhu M, Gao Y et al. An Fc-muted bispecific antibody targeting PD-L1 and 4-1BB induces antitumor immune activity in colorectal cancer without systemic toxicity Cellular & molecular biology letters 2023-05-31 [PMID: 37259060] (IHC, Mouse)

Details:
Multiplexed immunohistochemistry

Salman S, Meyers DJ, Wicks EE Et al. HIF inhibitor 32-134D eradicates murine hepatocellular carcinoma in combination with anti-PD1 therapy J Clin Invest 2022-05-02 [PMID: 35499076] (FLOW, Mouse)

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

Peng JM, Chiu CF, Cheng JH et al. Evasion of NK cell immune surveillance via the vimentin-mediated cytoskeleton remodeling Frontiers in immunology 2022-08-11 [PMID: 36032170] (IHC-P, Human)

Samanta D, Huang T, Shah R et al. BIRC2 Expression Impairs Anti-Cancer Immunity and Immunotherapy Efficacy Cell Rep [PMID: 32846130] (FLOW, Mouse)

Details:
Citation using the PE format of this antibody.

Sun J, Hartvigsen K et al. Deficiency of antigen-presenting cell invariant chain reduces atherosclerosis in mice. Circulation 2010-08-24 [PMID: 20697023] (IF/IHC, Mouse)

Rai V, Wood MB, Feng H et al. The immune response after noise damage in the cochlea is characterized by a heterogeneous mix of adaptive and innate immune cells Scientific reports 2020-09-16 [PMID: 32938973] (IHC-Fr, Mouse)

Potez M, Fernandez-Palomo C, Bouchet A et al. Synchrotron microbeam radiation therapy as a new approach for treatment of radio-resistant melanoma: potential underlying mechanisms Int. J. Radiat. Oncol. Biol. Phys. 2019-08-25 [PMID: 31461675] (Mouse)

Hu B, Elinav E, Huber S et al. Inflammation-induced tumorigenesis in the colon is regulated by caspase-1 and NLRC4. Proc Natl Acad Sci U S A 2010-12-14 [PMID: 21118981] (IHC-P, Mouse)

Kanwar JR, Shen WP, Kanwar RK et al. Effects of survivin antagonists on growth of established tumors and B7-1 immunogene therapy. J Natl Cancer Inst. 93(20):1541-52. 2001-10-17 [PMID: 11604477]

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 NB100-77528

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)
NB100-77528APC	CD161/NK1.1 Antibody (PK136) [Allophycocyanin]

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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