

# 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: 12

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**NB100-77528**

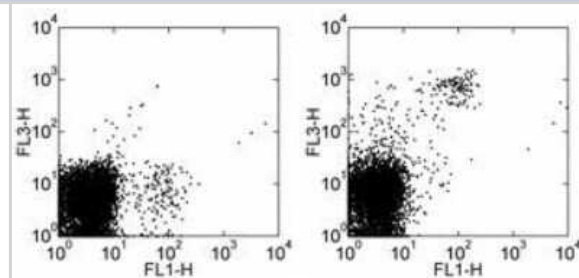
CD161/NK1.1 Antibody (PK136) - BSA Free

<b>Product Information</b>	
<b>Unit Size</b>	0.5 mg
<b>Concentration</b>	1.0 mg/ml
<b>Storage</b>	Store at 4C. Do not freeze.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	PK136
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG2a Kappa
<b>Purity</b>	Protein A or G purified
<b>Buffer</b>	PBS
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Mouse CD161/NK1.1 Antibody (PK136) - BSA Free (NB100-77528) is a monoclonal antibody validated for use in IHC, Flow, ICC/IF and IP. Anti-CD161/NK1.1 Antibody: Cited in 12 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	17059
<b>Gene Symbol</b>	Klrb1c
<b>Species</b>	Mouse
<b>Reactivity Notes</b>	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.
<b>Immunogen</b>	NK-1+ cells from mouse spleen and bone marrow
<b>Product Application Details</b>	
<b>Applications</b>	Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation
<b>Recommended Dilutions</b>	Flow Cytometry &lt; 1.0 ug/10 <sup>6</sup> 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
<b>Application Notes</b>	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 <sup>6</sup> cells in 100 ul. It is recommended that the reagent be titrated for optimal performance for each application.

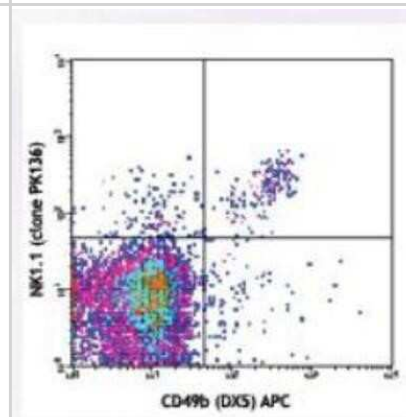


## Images

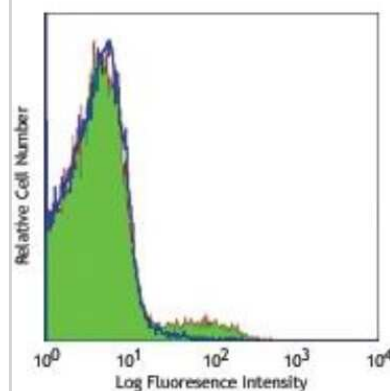
Flow Cytometry: CD161/NK1.1 Antibody (PK136) [NB100-77528] - Analysis using the PE/Cy7 conjugate of NB100-77528. Staining of C57BL/6 splenocytes with Anti-Mouse CD49b (Integrin alpha 2) FITC and staining buffer (autofluorescence) (left) or Anti-Mouse NK1.1 PE-Cy7 (right). Total viable cells were used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



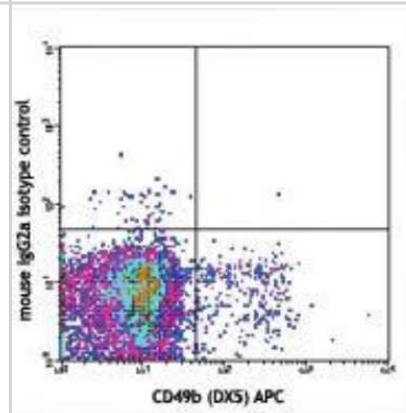
Flow Cytometry: CD161/NK1.1 Antibody (PK136) [NB100-77528] - Mouse splenocytes were stained with CD49b (DX5) APC and purified NK1.1 (clone PK136) (top) or mouse IgG2a isotype control (bottom), followed by anti-mouse IgG2a FITC.



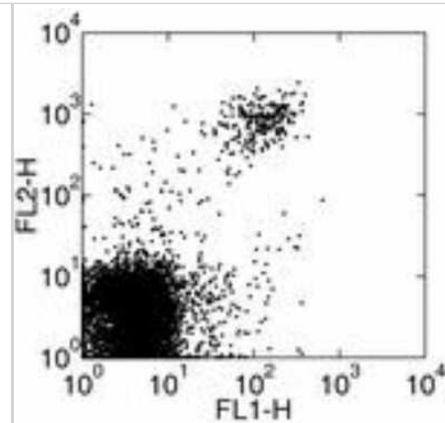
Flow Cytometry: CD161/NK1.1 Antibody (PK136) [NB100-77528] - C57BL/6 mouse splenocytes stained with purified PK136, followed by anti-mouse IgG2a FITC



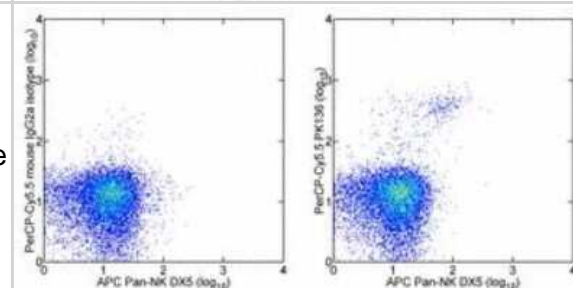
Flow Cytometry: CD161/NK1.1 Antibody (PK136) [NB100-77528] - Mouse.



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

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]

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]

Li Y, Goldberg EM, Chen X, Xu X et Al. Histone methylation antagonism drives tumor immune evasion in squamous cell carcinomas *Mol Cell* 2022-10-07 [PMID: 36206767]

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]





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### **Products Related to NB100-77528**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)
NB100-77528APC	CD161/NK1.1 Antibody (PK136) [Allophycocyanin]

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### **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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