

# Product Datasheet

## Mouse IgG2b Isotype Control (MPC-11) NBP2-27231

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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**NBP2-27231**

## Mouse IgG2b Isotype Control (MPC-11)

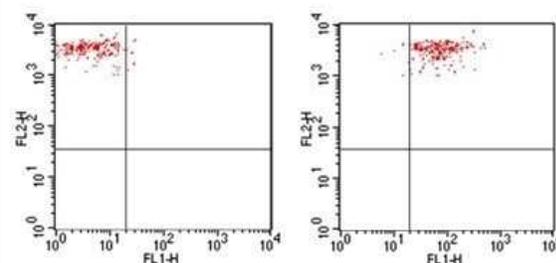
Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	MPC-11
Preservative	0.02% Sodium Azide
Isotype	IgG2b
Purity	Affinity purified
Buffer	PBS

Product Description	
Description	This Mouse IgG2B (MPC-11) immunoglobulin is useful as an isotype control for Mouse IgG2B (MPC-11) antibody.
Host	Mouse
Species	Mouse

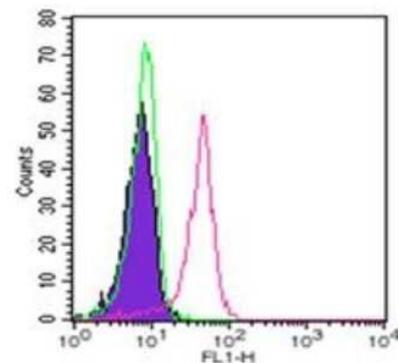
Product Application Details	
Applications	Flow Cytometry, Flow (Cell Surface), Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Flow Cytometry 1:20 - 1:2000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:10-1:500, Flow (Cell Surface)
Application Notes	Use the isotype control at the same concentration as the experimental antibody. Optimal dilution of this antibody should be experimentally determined.

**Images**

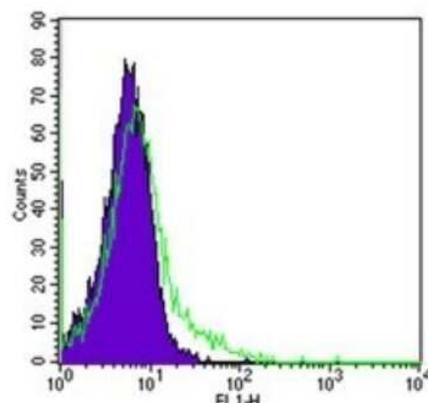
Flow Cytometry: Mouse, Human IgG2b Isotype Control (MPC-11) [NBP2-27231] - Flow Cytometry: Mouse IgG2b Isotype Control (MPC-11) [FITC] [NBP2-27229] - TLR4 expression on monocytes from human peripheral blood: PBMC were stained, in a 2 color flow test, with CD14 PE this antibody and 1 ug of either isotype control (Left), or TLR4-FITC (right). PPI negative, CD14+ cells were gated for analysis. Image using the FITC form of this antibody.



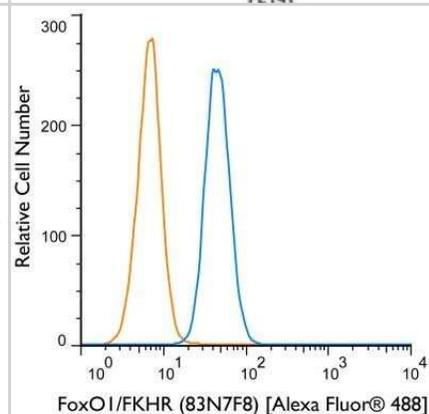
Flow Cytometry: Mouse, Human IgG2b Isotype Control (MPC-11) [NBP2-27231] - Analysis of Alexa Fluor (R) 488 conjugate of NBP2-27231. Cell surface  $10^6$  human PBMC using 1 ug of mouse isotype control. The shaded histogram represents human PBMC alone; green represents mouse isotype control. FITC-conjugated goat anti-mouse secondary



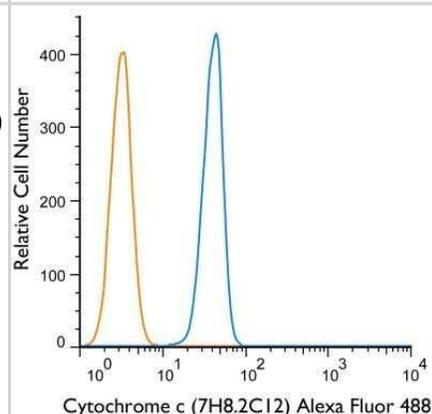
Flow Cytometry: Mouse, Human IgG2b Isotype Control (MPC-11) [NBP2-27231] - Cell surface analysis of  $10^6$  human PBMC using 1 ug of mouse isotype control. The shaded histogram represents human PBMC alone; green represents mouse isotype control. FITC-conjugated goat anti-mouse secondary antibody was used for this experiment.



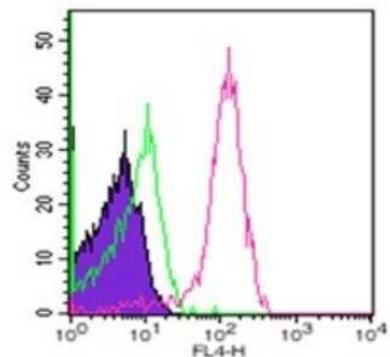
Flow Cytometry: Mouse, Human IgG2b Isotype Control (MPC-11) [NBP2-27231] - An intracellular stain was performed on Daudi cells with FoxO1/FKHR (83N7F8) antibody NBP2-31376AF488 (blue) and a matched isotype control NBP2-27231AF488 (orange). Cells were fixed with 4% PFA and then permeablized with 0.1% saponin. Cells were incubated in an antibody dilution of 5 ug/mL for 30 minutes at room temperature. Both antibodies were conjugated to Alexa Fluor 488. Image using the Alexa Fluor 488 form of this antibody.



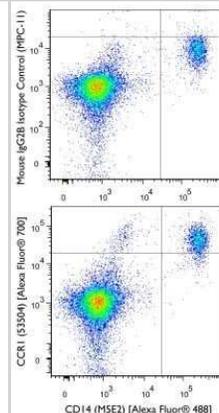
Flow Cytometry: Mouse, Human IgG2b Isotype Control (MPC-11) [NBP2-27231] - Flow Cytometry: Mouse IgG2B Isotype Control (MPC-11) [Alexa Fluor 488] [NBP2-27231AF488] - An intracellular stain was performed on HeLa cells with Cytochrome c (7H8.2C12) antibody NB100-56503AF488 (blue) and a matched isotype control NBP2-27231AF488 (orange). Cells were fixed with 4% PFA and then permeablized with 0.1% saponin. Cells were incubated in an antibody dilution of 10 ug/mL for 30 minutes at room temperature. Both antibodies were conjugated to Alexa Fluor 488. Image using the Alexa Fluor 488 form of this antibody.



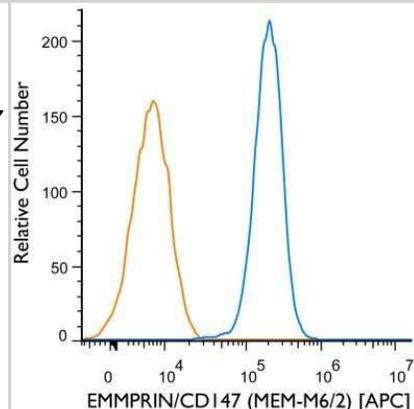
Flow (Cell Surface): Mouse, Human IgG2b Isotype Control (MPC-11) [NBP2-27231] - Flow Cytometry: Mouse IgG2b Isotype Control (MPC-11) [Alexa Fluor (R) 647] [NBP2-27228] - Cell surface analysis of CD86 in human monocytes using 0.1 ug of NBP2-00308 conjugated to Alexa Fluor 647. The shaded histogram represents human monocytes alone; green represents mouse isotype control ; red represents CD86 this antibody. Image using the Alexa Fluor 647 form of this antibody.



Flow (Cell Surface): Mouse, Human IgG2b Isotype Control (MPC-11) [NBP2-27231] - Flow Cytometry: Mouse IgG2B Isotype Control (MPC-11) [Alexa Fluor 700] [NBP2-27231AF700] - A surface stain was performed on hPBMCs with CCR1 (53504) antibody FAB145N and a matched isotype control NBP2-27231AF700. Cells were incubated in an antibody dilution of 5 ug/mL for 20 minutes at room temperature. A co-stain was performed with NB100-77758AF488. Image using the Alexa Fluor 700 form of this antibody.



Flow (Cell Surface): Mouse, Human IgG2b Isotype Control (MPC-11) [NBP2-27231] - Flow Cytometry: Mouse IgG2B Isotype Control (MPC-11) [Allophycocyanin] [NBP2-27231APC] - A surface stain was performed on human peripheral blood monocytes with EMMPRIN/CD147 (MEM-M6/2) antibody NB500-561APC (blue) and a matched isotype control NBP2-27231APC (orange). Cells were incubated in an antibody dilution of 1 ug/mL for 20 minutes at room temperature. Both antibodies were conjugated to Allophycocyanin. Image using the Allophycocyanin form of this antibody.



## Publications

Saunders DC, Brissova M, Phillips N et al. Ectonucleoside Triphosphate Diphosphohydrolase-3 Antibody Targets Adult Human Pancreatic ? Cells for In Vitro and In Vivo Analysis Cell Metabolism 2019-03-01 [PMID: 30449685] (Flow Cytometry)

Thomas RC, Kheder R, Alaridhee H et al Complement Properdin Regulates the Metabolo-Inflammatory Response to a High Fat Diet Medicina (Kaunas) 2020-09-25 [PMID: 32971872] (FLOW, Mouse)

Details:

Citation using the Alexa Fluor 647 version of this antibody.

Lee YL, Lin KL, Chuang SM et al. Elucidating Mechanisms of Bladder Repair after Hyaluronan Instillation in Ketamine-Induced Ulcerative Cystitis in Animal Model Am J Pathol. 2017-09-01 [PMID: 28826558] (IF/IHC, Rat)

Details:

Citation using the Alexa Fluor 647 form of this antibody.

Trujillo-Alonso V, Pratt EC, Zong H et al. FDA-approved ferumoxytol displays anti-leukaemia efficacy against cells with low ferroportin levels Nat Nanotechnol 2019-03-25 [PMID: 30911166] (FLOW, Human)



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### **Products Related to NBP2-27231**

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NBP2-27228	Mouse IgG2b Isotype Control (MPC-11) [Alexa Fluor® 647]
MAB9636-100	IgG2b Antibody (2215A) [Unconjugated]

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