

Product Datasheet

IL-23R Antibody NB600-1147-0.2ml

Unit Size: 0.2 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NB600-1147-0.2ml

IL-23R Antibody

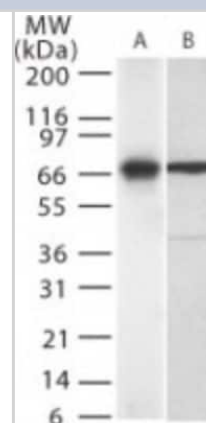
Product Information	
Unit Size	0.2 ml
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein G purified
Buffer	PBS
Target Molecular Weight	72 kDa

Product Description	
Host	Rabbit
Gene ID	149233
Gene Symbol	IL23R
Species	Human, Mouse
Immunogen	Synthetic peptide located at amino acids 439-455 (EIFIPEHKPTDYKKENT) of human IL-23R (NP_653302).

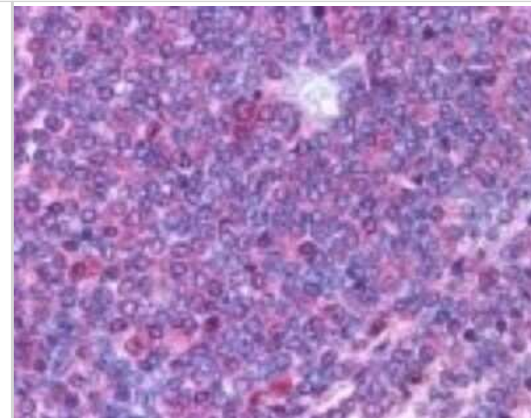
Product Application Details	
Applications	Western Blot, Simple Western, Flow Cytometry, Flow (Cell Surface), Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 0.5-1.0 ug/ml, Simple Western 1:10, Flow Cytometry 1:10-1:1000, Immunohistochemistry 5-10 ug/ml, Immunohistochemistry-Paraffin 5-10 ug/ml, Flow (Cell Surface) reported in scientific literature (PMID 24358364)
Application Notes	Based on immunogen sequence, this antibody will recognize the 629 amino acid (approx. 68 KDa) , 390 AA (approx. 42 KDa) and 227 AA (approx. 26 KDa) forms of human IL-23R. Flow (Cell Surface): See Kortylweski et al, 2009 for details. In Simple Western only 10 - 15 uL of the recommended dilution is used per data point. Separated by Size-Wes, Sally Sue/Peggy Sue.

Images

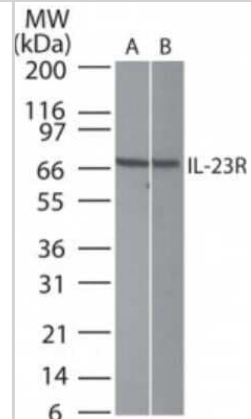
Western Blot: IL-23 R Antibody [NB600-1147] - Analysis of IL-23R in (A) Jurkat and (B) NIH 3T3 cells. 1:500 dilution.



Immunohistochemistry-Paraffin: IL-23 R Antibody [NB600-1147] - Staining of IL-23 Receptor in Human periaarterial lymphatic sheath lymphocytes (spleen) at 10 ug/ml. Hematoxylin-eosin counterstain.



Western Blot: IL-23 R Antibody [NB600-1147] - Analysis using IL-23R antibody. Lysate from (A) human Jurkat and (B) Mouse NIH 3T3 cells probed with IL-23R antibody at 0.5 ug/ml.



Immunohistochemistry-Paraffin: IL-23 R Antibody [NB600-1147] - Analysis of Mouse spleen tissue probed with isotype control antibody (top) and IL-23R antibody (bottom) at 5 ug/ml.



Simple Western: IL-23 R Antibody [NB600-1147] - Lane view shows a specific band for IL23 Receptor in 0.5 mg/ml of NIH-3T3 lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.



Publications

Gupta S, Pungsrinont T, Zenata O et al. Interleukin-23 Represses the Level of Cell Senescence Induced by the Androgen Receptor Antagonists Enzalutamide and Darolutamide in Castration-Resistant Prostate Cancer Cells *Horm Cancer* 2020-06-20 [PMID: 32562083]

Tan Q, Ma XY, Liu W et al. Significant reduction in the expression of interleukins-17A, 22 and 23A, forkhead box p3 and interferon gamma delineates lichen planus pigmentosus from lichen planus *Arch. Dermatol. Res.* 2019-05-14 [PMID: 31089878] (IF/IHC, Human)

Xu X, Yang C, Chen J et al. Interleukin-23 promotes the migration and invasion of gastric cancer cells by inducing epithelial-to-mesenchymal transition via the STAT3 pathway *Biochem Biophys Res Commun* 2018-03-23 [PMID: 29574157] (IF/IHC, Human)

Nakayama W, Jinnin M, Tomizawa Y et al. Dysregulated interleukin-23 signalling contributes to the increased collagen production in scleroderma fibroblasts via balancing microRNA expression. *Rheumatology (Oxford)* 2016-10-15 [PMID: 27744356] (IF/IHC, WB, Human)

Walker CR, Hautefort I, Dalton JE, et al. Intestinal Intraepithelial Lymphocyte-Enterocyte Crosstalk Regulates Production of Bactericidal Angiogenin 4 by Paneth Cells upon Microbial Challenge. *PLoS One* 2013-12-17 [PMID: 24358364] (Flow-CS, Mouse)

Kortylewski M, Xin H, Kujawski M et al. Regulation of the IL-23 and IL-12 balance by Stat3 signaling in the tumor microenvironment. *Cancer Cell.* 2009-02-03 [PMID: 19185846] (Flow-CS, Mouse)

Details:

IL-23R (IMG-5092A): Flow (cell surface), mouse spleen and lymph nodes including lymph nodes from tumor models, Fig 5A. Prior to staining, freshly isolated cells were preincubated with an Fcγ₃ specific antibody to block non-specific binding. The

Li Z, Wu F, Brant SR, Kwon JH. IL-23 receptor regulation by Let-7f in human CD4⁺ memory T cells. *J Immunol.* 2011-06-01 [PMID: 21508257] (WB, Human)

Details:

IL-23 Receptor (IMG-5092A). WB: Human primary memory T cells transfected with control or Let-7f, Fig 6.

Wang S, Xu X, Xie A et al. Anti-interleukin-12/23p40 antibody attenuates chronic rejection of cardiac allografts partly via inhibition gamma delta T cells *Clin Exp Immunol* 2012-09-01 [PMID: 22861372] (IF/IHC, Mouse)





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Products Related to NB600-1147-0.2ml

NB800-PC2	Jurkat Whole Cell Lysate
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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