

Product Datasheet

TLR8 Antibody NBP2-24972

Unit Size: 0.1 mg

Store at 4C in the dark.

www.novusbio.com



support@novusbio.com

Publications: 24

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP2-24972

Updated 6/15/2014 v.20.1

NBP2-24972

TLR8 Antibody (44C143) [FITC]

Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at 4C in the dark.
Clonality	Monoclonal
Clone	44C143
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Conjugate	FITC
Purity	Protein G purified
Buffer	50 mM Sodium Borate

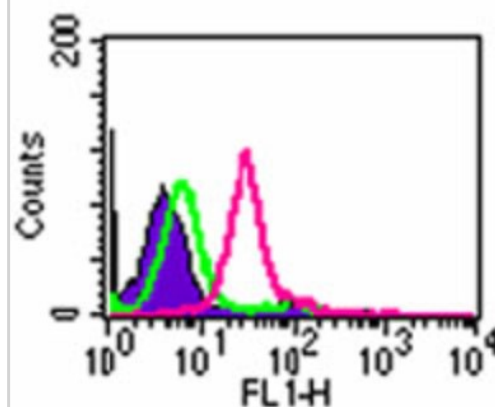
Product Description	
Host	Mouse
Gene ID	51311
Gene Symbol	TLR8
Species	Human, Mouse
Species Reactivity	This antibody is reactive to Human, Mouse
Immunogen	This antibody was developed against a KLH-conjugated synthetic peptide of human TLR8, within amino acids 750-850.

Product Application Details	
Applications	Flow Cytometry
Recommended Dilutions	Flow Cytometry 0.5-2 ug/10 ⁶ cells
Application Notes	Staining of formalin-fixed tissues is enhanced by boiling tissue sections in 10 mM sodium citrate buffer, pH 6.0 for 10-20 min followed by cooling at RT for 20 min.

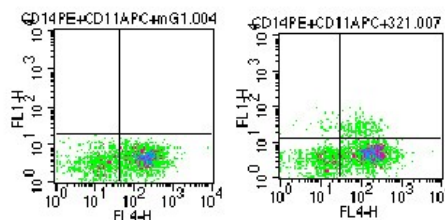


Images

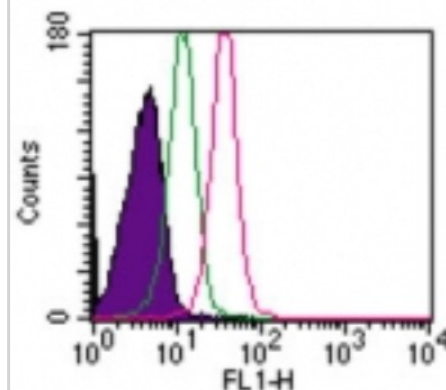
Flow Cytometry: TLR8 Antibody (44C143) [FITC] [NBP2-24972] - Intracellular flow cytometric analysis of TLR8 in 10^6 Ramos cells using 0.5 ugs of this antibody. The shaded histogram represents Ramos cells alone, green represents isotype control, and red represents TLR8 antibody.



Flow Cytometry: TLR8 Antibody (44C143) [FITC] [NBP2-24972] - Analysis of CD14-/CD11c+/TLR8+ myeloid dendritic cells (mDCs). Cells were stained for surface markers CD14 and CD11c, and intracellularly stained for TLR8. CD14- cells were gated and stained with FITC-conjugated isotype control, and APC-conjugated CD11c (left). CD14- cells were gated and stained with 1 ug FITC-conjugated TLR8, and APC-conjugated CD11c (right).



Flow Cytometry: TLR8 Antibody (44C143) [FITC] [NBP2-24972] - Intracellular analysis of TLR8 in 10^6 human lymphocytes using 1 ug of this antibody. The shaded histogram represents lymphocytes alone, green represents isotype control, and red represents TLR8 antibody.



Publications

Tengroth L, Arebro J, Kumlien Georen S et al. Deprived TLR9 Expression in Apparently Healthy Nasal Mucosa Might Trigger Polyp-Growth in Chronic Rhinosinusitis Patients. PLoS ONE. 2014 Aug 19 [PMID: 25133733] (FLOW, Human)

Details:
TLR8-FITC (clone 44C143) antibody used in FLOW application for detecting the basal expression of virus-recognizing TLR - TLR8 in turbinate epithelial cells from patients with Chronic rhinosinusitis with nasal polyps (CRSwNP) or without nasal polyps (CRSsNP). Expression level was equal in both groups and data is not shown in the publication.

Levy O, Suter EE, Miller RL, Wessels MR. Unique efficacy of Toll-like receptor 8 agonists in activating human neonatal antigen-presenting cells. *Blood*. 2006 Aug 15 [PMID: 16638933] (Flow)

Details:

TLR8-PE, (IMG-321D): Flow cytometry, Figure 5

Wu J, Meng Z, Jiang M et al. Toll-like receptor-induced innate immune responses in non-parenchymal liver cells are cell type-specific. *Immunology*. 2010 Mar [PMID: 19922426]

van den Berk LC, Jansen BJ, Siebers-Vermeulen KG et al. Toll-like receptor triggering in cord blood mesenchymal stem cells. *J Cell Mol Med*. 2009 Sep [PMID: 20196781] (Human)

Details:

flow (cell surface) cytometry: TLR5 (IMG-663A), TLR6 (IMG-304), TLR8 (IMG-321). Human mesenchymal stem cells, Fig 1C.

Pietschmann K, Beetz S, Welte S et al. Toll-like receptor expression and function in subsets of human gammadelta T lymphocytes. *Scand J Immunol*. 2009 Sep [PMID: 19703014]

Details:

Flow (cell surface), Human T cell subsets (V sigma 1 and V sigma 2) isolated from PBMCs, Fig 3. 2. TLR6/CD286 (IMG-304A) & TLR8/CD288 PE (IMG-321D): Flow (intracellular), Human T cell subsets (V sigma 1 and V sigma 2) isolated from PBMCs, Fig 3.

Biasin M, Piacentini L, Lo Caputo S et al. TLR activation pathways in HIV-1-exposed seronegative individuals. *J Immunol*. 2010 Mar 1 [PMID: 20124101] (Flow-CS)

Details:

TLR8 FITC (IMG-321C): Flow cell surface (CD4+ and CD14+ isolated from PBMC); Fig 3, Fig 4, Table 1.

Cohen PA, Koski GK, Czerniecki BJ et al. STAT3- and STAT5-dependent pathways competitively regulate the pan-differentiation of CD34pos cells into tumor-competent dendritic cells. *Blood*. 2008 Sep 1 [PMID: 18577706] (Flow-IC, Mouse)

Details:

Antibodies cited [Flow (intracellular), mouse bone marrow cells, Supplementary Fig. S4]: 1. TLR3 FITC (IMG-315C) 2. TLR4 FITC (IMG-5031C) 3. TLR7 (IMG-665A) 4. TLR8 FITC (IMG-321C) 5. TLR9 FITC (IMG-305C).

Clancy RM, Alvarez D, Komissarova E et al. Ro60-associated single-stranded RNA links inflammation with fetal cardiac fibrosis via ligation of TLRs: a novel pathway to autoimmune-associated heart block. *J Immunol*. 2010 Feb 15 [PMID: 20089705] (Flow-IC, Human)

Details:

Antibodies cited: 1. TLR-7 (IMG-665A): Primary human macrophages derived from PBMCs, Flow (Intracellular): Fig 1A 2. TLR-8 FITC (IMG-321C): Primary human macrophages derived from PBMCs Flow (Intracellular): Fig 1A 3. TLR-7 (IMG-581A): Fetal cardiac fibrob

Berger M, Hsieh CY, Bakele M et al. Neutrophils express distinct RNA receptors in a non-canonical way. *J Biol Chem*. 2012 Jun 1 [PMID: 22532562]

Details:

Products cited: 1. TLR8-PE (IMG-321D): Flow (intracellular) + Flow (cell surface), Fig 1A (human neutrophils) & Fig 1B (HL60). 2. TLR8 (IMG-321A): IF confocal microscopy, Fig 1C (human neutrophils). 3. FITC-conjugated goat anti-rabbit secondary Ab (Cat no 2

Chamberlain ND, Kim SJ, Vila OM et al. Ligation of TLR7 by rheumatoid arthritis synovial fluid single strand RNA induces transcription of TNF α in monocytes. *Ann Rheum Dis*. 2013 Mar [PMID: 22730373]

Details:

Products: primary human monocytes and macrophages from rheumatoid arthritis patients used in Flow (Intracellular): 1. TLR7-PE (IMG-665D): Fig 2D 2. TLR8-Alexa647 (IMG-321AF647): Fig 2G 3. IC-Flow (Intracellular Staining Flow Assay) Kit (10083K): Figs 2D,

Wong CK, Cheung PF, Ip WK, Lam CW. Intracellular signaling mechanisms regulating toll-like receptor-mediated activation of eosinophils. *Am J Respir Cell Mol Biol*. 2007 Jul [PMID: 17332440] (Flow-CS, Flow-IC, Human)

Details:

Antibodies cited (human blood eosinophils and neutrophils from buffy coat): For WB, Fig. 1A: TLR1 (IMG-5012), TLR5 (IMG-664), TLR6 (IMG-304A), TLR7 (IMG-540), TLR8 (IMG-321A), TLR9 (IMG-305A). For Flow (Intracellular) and Flow (Surface), Fig. 1B: TLR1 (IM

Sacre SM, Lo A, Gregory B et al. Inhibitors of TLR8 reduce TNF production from human rheumatoid synovial membrane cultures. *J Immunol*. 2008 Dec 1 [PMID: 19017992] (Flow-IC, Human)

Details:

Antibodies cited [Flow (intracellular), human synovial membrane cells, Fig. 4B]: 1. TLR3-FITC (IMG-315C) 2. TLR8-FITC (IMG-321C) 3. TLR9-FITC (IMG-305C).

More publications at <http://www.novusbio.com/NBP2-24972>





Novus Biologicals USA

8100 Southpark Way, A-8
Littleton, CO 80120
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
novus@novusbio.com

Novus Biologicals Canada

461 North Service Road West, Unit B37
Oakville, ON L6M 2V5
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada@novusbio.com

Novus Biologicals Europe

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@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: technical@novusbio.com
Orders: orders@novusbio.com
General: novus@novusbio.com

Products Related to NBP2-24972

NBP1-42453	Rat anti-Mouse IgG1 Antibody (LO-MG1-2) [HRP]
------------	---

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.

For more information on our guarantee, please visit www.novusbio.com/guarantee.

