

Product Datasheet

TLR2 Antibody (TL2.1) - Azide and BSA Free NB100-56726SS

Unit Size: 0.025 mg

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

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NB100-56726SS

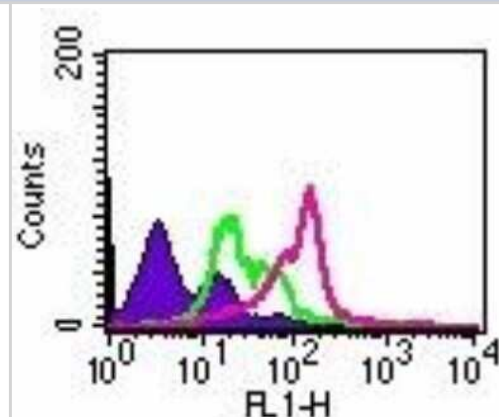
TLR2 Antibody (TL2.1) - Azide and BSA Free

Product Information	
Unit Size	0.025 mg
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	TL2.1
Preservative	No Preservative
Isotype	IgG2a
Purity	Protein G purified
Buffer	Sterile - filtered PBS
Product Description	
Description	Novus Biologicals Mouse TLR2 Antibody (TL2.1) - Azide and BSA Free (NB100-56722) is a monoclonal antibody validated for use in IHC, WB, ELISA, Flow, ICC/IF and IP. Anti-TLR2 Antibody: Cited in 39 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	7097
Gene Symbol	TLR2
Species	Human, Mouse, Rat, Canine, Rabbit
Immunogen	This antibody was raised by immunizing mice with CHO cells transfected with human TLR2 cDNA (Flo et al, 2000). The hybridoma supernatants were selected by flow cytometry.
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Flow Cytometry, Flow (Cell Surface), Flow (Intracellular), Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, In vitro assay, Immunoprecipitation, Block/Neutralize, CyTOF-ready
Recommended Dilutions	Western Blot reported in scientific literature (PMID 28546218), Flow Cytometry 1ul/1 million cells, ELISA reported in scientific literature (PMID 23629653), Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:10 - 1:2000. Use reported in scientific literature (Mempel et al (2003)), Immunoprecipitation 1:10 - 1:500. Use reported in scientific literature (Flo et al (2000)), Immunohistochemistry-Paraffin reported in scientific literature (PMID 11160251), In vitro assay reported in scientific literature (PMID 24512642), Flow (Cell Surface) 1-2 ug/1 million cells, Flow (Intracellular), CyTOF-ready, Block/Neutralize reported in scientific literature (Flo et al (2000); PMID 24512642)
Application Notes	Flow (Cell Surface) reported in scientific literature (PMID 24836676)

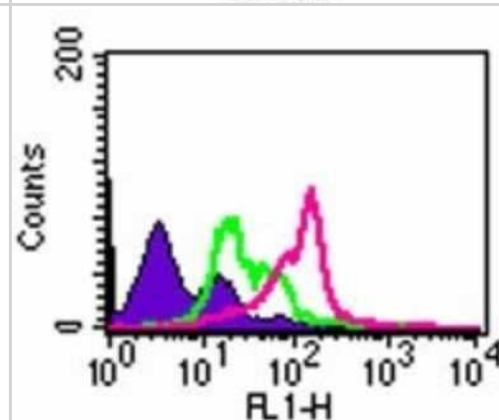


Images

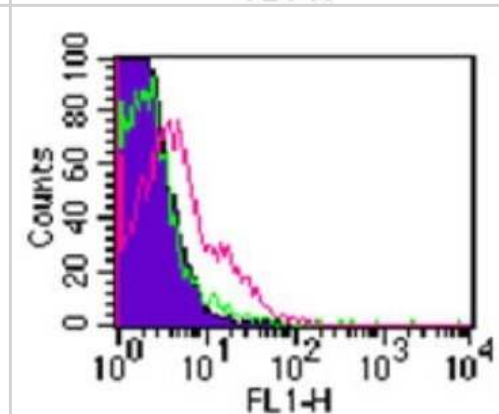
Flow Cytometry: TLR2 Antibody (TL2.1) - Azide Free [NB100-56726] - Analysis using Azide/BSA FREE version of NB100-56726. Intracellular flow analysis of TLR2 in 1×10^6 PBMCs using 2 μ g of NB100-56722. Shaded histogram represents cells without antibody; green represents isotype control (Sigma, Cat. No. M5409); purple represents anti-TLR2 antibody.



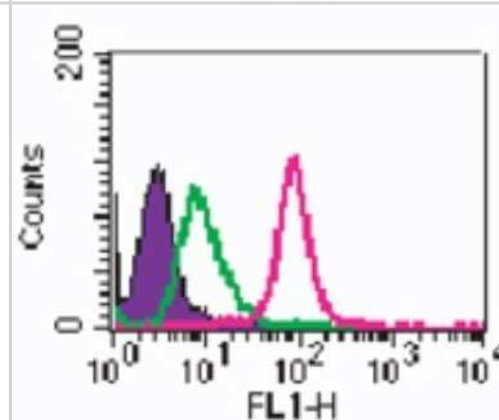
Flow Cytometry: TLR2 Antibody (TL2.1) - Azide Free [NB100-56726] - Intracellular analysis of TLR2 in 10^6 PBMs using 2 μ g of TLR2 antibody. Shaded histogram represents cells without antibody; green represents isotype control ; red represents TLR2 antibody. goat anti-mouse IgG FITC secondary antibody was used in this test.



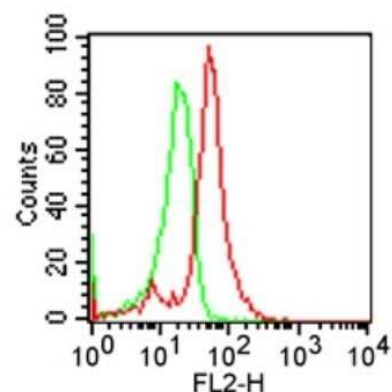
Flow Cytometry: TLR2 Antibody (TL2.1) - Azide Free [NB100-56726] - Analysis using the FITC conjugate of NB100-56726. Staining of TLR2 in 10^6 PBMCs (lymphocyte-gated) using 2 μ g of Mouse IgG2a Kappa , and red represents TLR2 antibody.



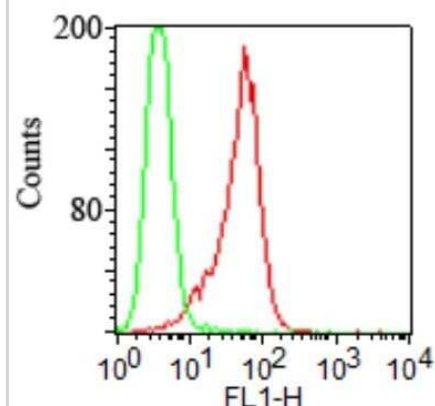
Flow Cytometry: TLR2 Antibody (TL2.1) - Azide Free [NB100-56726] - Analysis using the FITC conjugate of NB100-56726. Staining of TLR2 in 10^6 ThP1 cells using 2 μ g of this antibody. The closed histogram represents cells alone, green represents isotype control, red represents anti-TLR2 antibody.



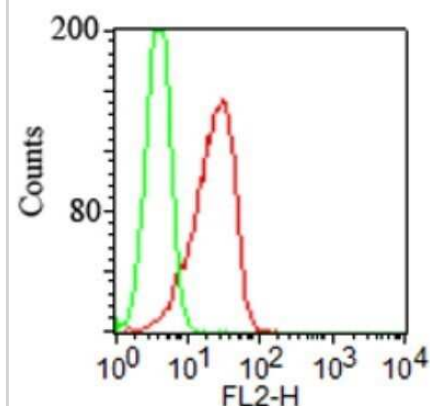
Flow (Intracellular): TLR2 Antibody (TL2.1) - Azide Free [NB100-56726] - Analysis using the PE conjugate of NB100-56726. Staining of TLR2 on PBMC using this antibody at 1 ug/10⁶ cells. Green represents isotype control this antibody; red represents anti-TLR2 antibody.



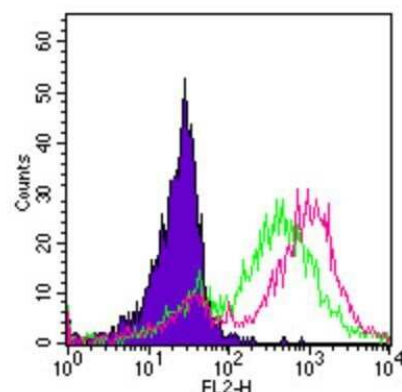
Flow (Cell Surface): TLR2 Antibody (TL2.1) - Azide Free [NB100-56726] - Analysis using the FITC conjugate of NB100-56726. Surface staining of stable HEK293/hTLR2 cells (IML-202, red) and vector control cells (IML-200, green) using TLR2 antibody at 1 ug/10⁶ cells.



Flow (Cell Surface): TLR2 Antibody (TL2.1) - Azide Free [NB100-56726] - Analysis using the PE conjugate of NB100-56726. Staining of TLR2 on stable transfected cell line using this antibody at 1 ug/10⁶ cells. Green represents isotype control; red represents anti-TLR2 antibody.



Flow Cytometry: TLR2 Antibody (TL2.1) - Azide Free [NB100-56726] - Analysis using Azide/BSA FREE version of NB100-56726. Cell surface flow analysis of TLR2 in 10⁶ PBMCs using 1 ug of this antibody. Shaded histogram represents cells without antibody; green represents isotype control; red represents anti-TLR2 antibody.



Publications

Tsai CC, Lin CR, Tsai HY et al. The immunologically active oligosaccharides isolated from wheatgrass modulate monocytes via Toll-like receptor-2 signaling J Biol Chem 2013-05-01 [PMID: 23629653]

Ji X, Zhang X et al The Heparin-Binding Hemagglutinin of *Nocardia cyriacigeorgica* GUH-2 Stimulates Inflammatory Cytokine Secretion Through Activation of Nuclear Factor κ B and Mitogen-Activated Protein Kinase Pathways via TLR4 *Front Cell Infect Microbiol* 2020-03-03 [PMID: 32117792] (WB, WB, Human)

Details:

Citation using the Azide Free version of this antibody.

The E, Yao Q, Zhang P et al. Mechanistic Roles of Matrilin-2 and Klotho in Modulating the Inflammatory Activity of Human Aortic Valve Cells Cells. [PMID: 32046115] (WB, Human)

Ji X, Zhang X, Li H et al. Nfa34810 facilitates *Nocardia farcinica* invasion of host cells and stimulates TNF-alpha secretion through activation of the NF-kappa B and MAPK pathways via TLR4 *Infect Immun*. [PMID: 31964749]

Li F, Song R, Ao L et al. ADAMTS5 Deficiency in Calcified Aortic Valves Is Associated With Elevated Pro-Osteogenic Activity in Valvular Interstitial Cells *Arterioscler thromb Vasc Biol* 2017-05-25 [PMID: 28546218] (WB, B/N, Human)

Details:

This reference used the Azide Free version of NB100-56722.

Tsai CC, Lin CR, Tsai HY et al. The immunologically active oligosaccharides isolated from wheatgrass modulate monocytes via Toll-like receptor-2 signaling *J Biol Chem*

Details:

This publication used the FITC conjugated form of this antibody (Cat# NB100-56058) and PE conjugated form of this antibody (Cat# NBP2-24909) and the Biotin conjugated form of this antibody (Cat# NB100-56056).

Klink M, Brzezinska M, Szulc I et al. Cholesterol oxidase is indispensable in the pathogenesis of *Mycobacterium tuberculosis* *PLoS One*. *PLoS One*. 2013-09-09 [PMID: 24039915] (B/N, Human)

Details:

This citation used the PE version of this antibody.

Brzezinska M, Szulc I, Brzostek A et al. The role of 3-ketosteroid 1(2)-dehydrogenase in the pathogenicity of *Mycobacterium tuberculosis*. *BMC Microbiol*. [PMID: 23425360] (B/N, Human)

Details:

Citation using the Azide Free form of this antibody.

Kasari Villu, Kurg Kristi, Margus Tonu et al. The *Escherichia coli* mqsR and ygiT genes encode a new toxin-antitoxin pair. *J Bacteriol*. [PMID: 20233923]

Details:

Citation using the Azide Free form of this antibody.

Kabisch R, Mejias-Luque R, Gerhard M, Prinz C. Involvement of Toll-Like Receptors on *Helicobacter pylori*-Induced Immunity. *PLoS ONE*. [PMID: 25153703] (B/N, Human)

Details:

Citation using the Azide Free form of this antibody.

Rydberg C, Mansson A, Uddman R et al. Toll-like receptor agonists induce inflammation and cell death in a model of head and neck squamous cell carcinomas. *Immunology*. 2009-09-01 [PMID: 19740321]

Details:

TLR2/CD282 PE (IMG-416D), TLR3/CD283 (IMG-315A), TLR3/CD283 (IMG-315D), TLR5 PE (IMG-663D), TLR5 (IMG-663). 1. IHC(paraffin): Human head and neck squamous (HNSCC) cell carcinomas showing keratinized cell carcinoma from the larynx stained with TLR2 (IMG-416A) and TLR5 antibodies (IMG-663A), Fig 1A, 1B, & 1C. 2. Flow (intracellular): TLR2 PE (IMG-416D), TLR3 PE (IMG-315D), and TLR5 PE (IMG-663D) antibodies were used in human bronchial epithelial (NL-20) and human pharyngeal squamous (Detroit-562) carcinoma cell line, Fig 2C.

Guzy C, Paclik D, Schirbel A et al. The probiotic Escherichia coli strain Nissle 1917 induces gammadelta T cell apoptosis via caspase- and FasL-dependent pathways. Int Immunol. 2008-07-01 [PMID: 18448456]

Details:

Antibodies cited [Flow (Cell Surface) (human PBMCs), Fig. 5]: 1. TLR2 FITC [IMG-416C] 2. TLR4 FITC [IMG-417C].

More publications at <http://www.novusbio.com/NB100-56726>



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

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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