

Product Datasheet

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

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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NB100-56726

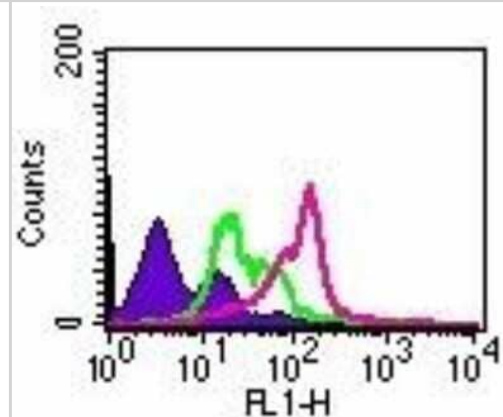
TLR2 Antibody (TL2.1) - Azide and BSA Free

Product Information	
Unit Size	0.1 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)

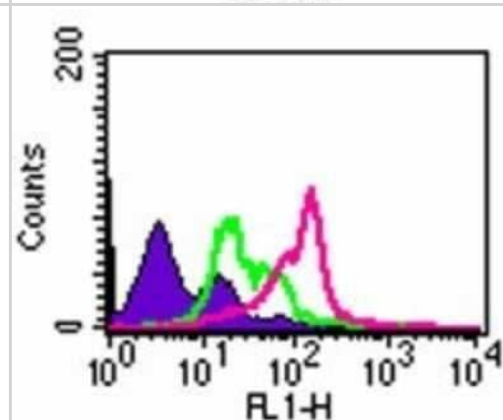


Images

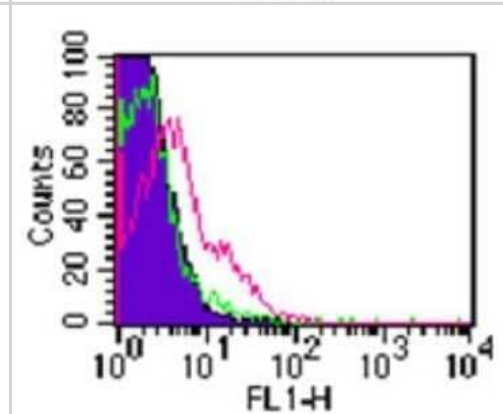
Flow Cytometry: TLR2 Antibody (TL2.1) - Azide Free [NB100-56726] - Analysis using Azide/BSA FREE version of NB100-56726. Intracellular flow analysis of TLR2 in 1×10^6 PBMCs using 2 μ g of NB100-56722. Shaded histogram represents cells without antibody; green represents isotype control (Sigma, Cat. No.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



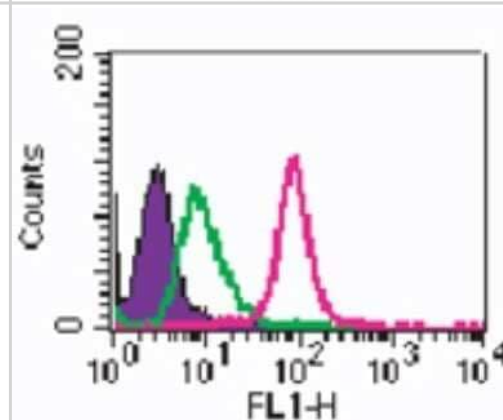
Flow Cytometry: TLR2 Antibody (TL2.1) - Azide Free [NB100-56726] - Intracellular analysis of TLR2 in 10^6 PBMs using 2 μ g of TLR2 antibody. Shaded histogram represents cells without antibody; green represents isotype control; red represents TLR2 antibody. goat anti-mouse IgG FITC secondary antibody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



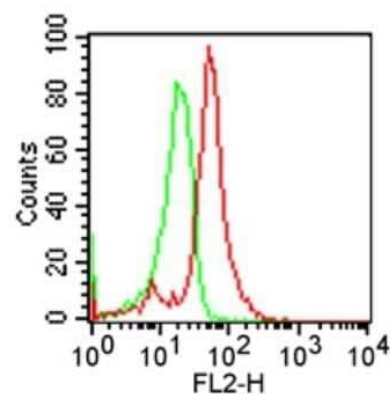
Flow Cytometry: TLR2 Antibody (TL2.1) - Azide Free [NB100-56726] - Analysis using the FITC conjugate of NB100-56726. Staining of TLR2 in 10^6 PBMCs (lymphocyte-gated) using 2 μ g of Mouse IgG2a Kappa, and red represents TLR2 antibody.



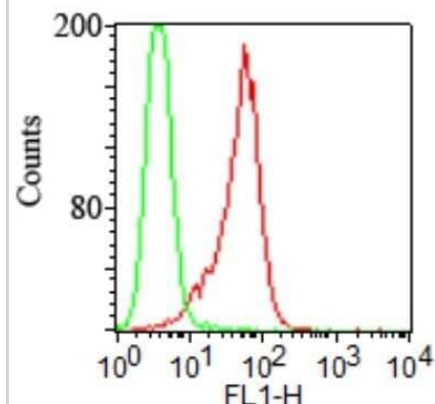
Flow Cytometry: TLR2 Antibody (TL2.1) - Azide Free [NB100-56726] - Analysis using the FITC conjugate of NB100-56726. Staining of TLR2 in 10^6 ThP1 cells using 2 μ g of this antibody. The closed histogram represents cells alone, green represents isotype control, red represents anti-TLR2 antibody.



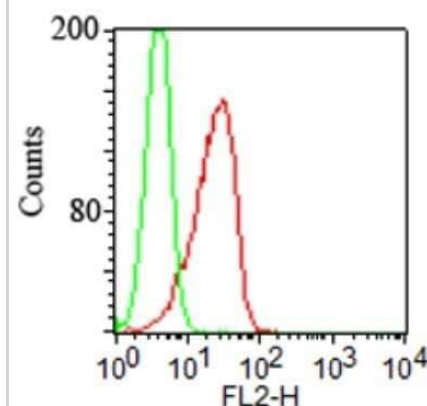
Flow (Intracellular): TLR2 Antibody (TL2.1) - Azide Free [NB100-56726] - Analysis using the PE conjugate of NB100-56726. Staining of TLR2 on PBMC using this antibody at $1 \mu\text{g}/10^6$ cells. Green represents isotype control this antibody; red represents anti-TLR2 antibody.



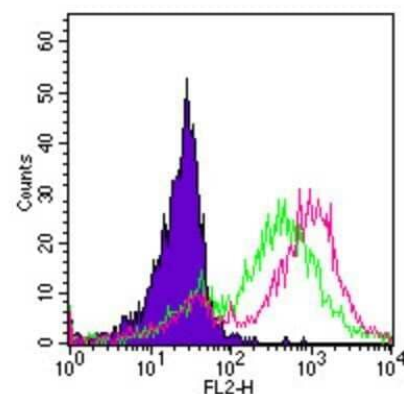
Flow (Cell Surface): TLR2 Antibody (TL2.1) - Azide Free [NB100-56726] - Analysis using the FITC conjugate of NB100-56726. Surface staining of stable HEK293/hTLR2 cells (IML-202, red) and vector control cells (IML-200, green) using TLR2 antibody at $1 \mu\text{g}/10^6$ cells.



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 $1 \mu\text{g}/10^6$ 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 10^6 PBMCs using $1 \mu\text{g}$ 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>



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Products Related to NB100-56726

NBL1-16952	TLR2 Overexpression Lysate
NBP2-25297	Pam3CSK4, TLR1 and TLR2 Ligand
NBP2-29331	TIRAP (TLR2 and TLR4) Inhibitor Peptide Set
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-96778	Mouse IgG2a Isotype Control (M2A)



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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