Product Datasheet

TLR2 Antibody (TL2.1) [PE]
NBP2-24909

Unit Size: 0.1 ml

Store at 4C in the dark.

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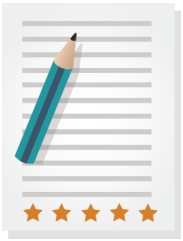
Updated 10/23/2024 v.20.1



NBP2-24909

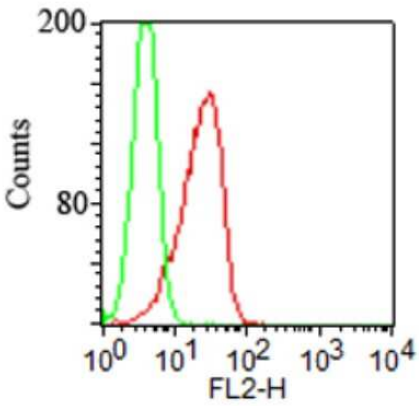
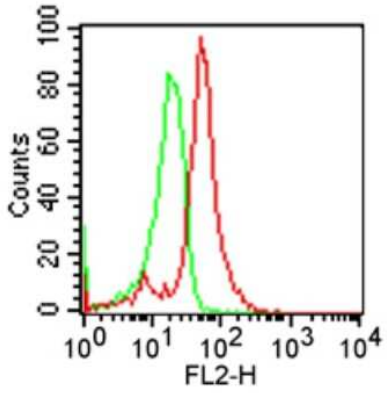
TLR2 Antibody (TL2.1) [PE]

Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark.
Clonality	Monoclonal
Clone	TL2.1
Preservative	0.05% Sodium Azide
Isotype	IgG2a
Conjugate	PE
Purity	Protein G purified
Buffer	PBS

Product Description	
Host	Mouse
Gene ID	7097
Gene Symbol	TLR2
Species	Human, Mouse, Rat, Canine, Rabbit
Reactivity Notes	Rabbit reactivity reported in scientific literature (PMID: 21273544).
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, ELISA, Flow Cytometry, Flow (Cell Surface), Flow (Intracellular), Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot, Flow Cytometry 1ul/1 million cells, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:10-1:2000, Immunoprecipitation 2 -5 ug/ml, Immunohistochemistry-Paraffin, Flow (Cell Surface), Flow (Intracellular)
Application Notes	Optimal dilution of this antibody should be experimentally determined.

Images

Flow Cytometry: TLR2 Antibody (TL2.1) [PE] [NBP2-24909] - Cell surface analysis of TLR2 on stable transfected cell line using this antibody at 1 ug/10^6 cells. Green represents isotype control ; red represents anti-TLR2 antibody.	
Flow Cytometry: TLR2 Antibody (TL2.1) [PE] [NBP2-24909] - Cell surface analysis of TLR2 on PBMC using this antibody at 1 ug/10^6 cells. Green represents isotype control this antibody; red represents anti-TLR2 antibody.	

Publications

Chenwen X, Quanan J, Yee H, et al Efficacy of Rg1-Oil Adjuvant on Inducing Immune Responses against Bordetella bronchiseptica in Rabbits J Immunol Res 2021-02-12 [PMID: 33575363] (WB, Rabbit)

Details:
Citation using the PE version of this antibody.

Akhter N, Madhoun A, Arefanian H et al Oxidative Stress Induces Expression of the Toll-Like Receptors (TLRs) 2 and 4 in the Human Peripheral Blood Mononuclear Cells: Implications for Metabolic Inflammation Cell. Cell Physiol Biochem. 2019-01-01 [PMID: 31162913] (FLOW, Human)

Details:
Citation using the PE version of this antibody.

Moreira ML, Costa-Pereira C, Alves MLR. Vaccination against canine leishmaniosis increases the phagocytic activity, nitric oxide production and expression of cell activation/migration molecules in neutrophils and monocytes. Veterinary Parasitology [PMID: 26995719] (FLOW, Canine)

Details:
Used the PE form of this antibody.

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] (FLOW, Human)

Details:
This citation used the PE version of this antibody.

Komine-Aizawa S, Hirohata N, Aizawa S, Abiko Y Porphyromonas gingivalis lipopolysaccharide inhibits trophoblast invasion in the presence of nicotine. Placenta. 2015-01-01 [PMID: 25468545] (FLOW, Human)

Details:
Citation using the PE version 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] (Flow Cytometry Control)

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.

Yang X, Fullerton DA, Su X et al Pro-osteogenic phenotype of human aortic valve interstitial cells is associated with higher levels of Toll-like receptors 2 and 4 and enhanced expression of bone morphogenetic protein 2. J Am Coll Cardiol. 2009-02-10 [PMID: 19195606] (WB, Human)

Details:
Citation using the Azide Free version of this antibody.

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].

Green TL, Santos MF, Ejaeidi AA et al. Toll-like receptor (TLR) expression of immune system cells from metastatic breast cancer patients with circulating tumor cells. Exp Mol Pathol. 2014-08-01 [PMID: 24836676] (Flow-CS, Human)

Details:
Citation using the Azide Free format of this antibody.

Verma R, Jung JH, Kim JY 1,25-Dihydroxyvitamin D3 up-regulates TLR10 while down-regulating TLR2, 4, and 5 in human monocyte THP-1. J Steroid Biochem Mol Biol. 2014-05-01 [PMID: 24373795] (FLOW, Human)

Details:
Citation using the PE version of this antibody.

Mempel M, Voelcker V, Kollisch G et al. Toll-like receptor expression in human keratinocytes: nuclear factor kappaB controlled gene activation by Staphylococcus aureus is toll-like receptor 2 but not toll-like receptor 4 or platelet activating factor receptor dependent. J Invest Dermatol. 2003-12-01 [PMID: 14675188]

Details:
TLR2 (IMG-416) 2. TLR4 (IMG-417) [IF/ICC, Fig.2A and 2D (human keratinocytes)].

Ji S, Shin JE, Kim YS et al. Toll-like receptor 2 and NALP2 mediate induction of human beta-defensins by fusobacterium nucleatum in gingival epithelial cells. Infect Immun 2009-03-01 [PMID: 19103770] (Flow-CS)

More publications at http://www.novusbio.com/NBP2-24909

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NBP2-25297	Pam3CSK4, TLR1 and TLR2 Ligand
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NB100-56720PEP	TLR2 Antibody Blocking Peptide
210-TA-005	TNF-alpha [Unconjugated]

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