Product Datasheet

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

Unit Size: 0.1 ml

Store at 4C in the dark.

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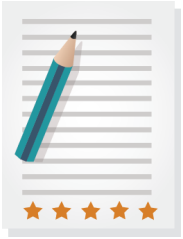
Updated 10/12/2016 v.20.1



NBP2-24909

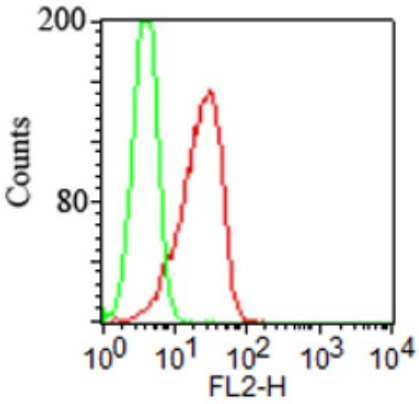
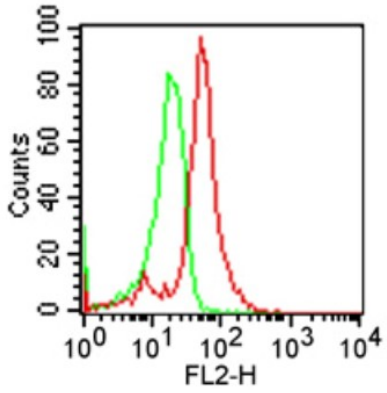
TLR2 Antibody (TL2.1) [PE]

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, Canine
Reactivity Notes	Cross reacts with Dog and Human.
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	Flow Cytometry, Flow (Cell Surface), Immunocytochemistry/Immunofluorescence, Immunoprecipitation
Recommended Dilutions	Flow Cytometry 1ul/1 million cells, Immunocytochemistry/Immunofluorescence 1:10-1:2000, Immunoprecipitation 2-5 ug/ml, Flow (Cell Surface)
Application Notes	Immunocytochemistry/Immunofluorescence: please see Mempel et al. (2003) for details Immunohistochemistry (paraffin): please see Faure et al. (2001) for details Western Blot: please see Faure et al. (2001) for details Use in Flow cell surface reported in scientific literature (PMID 24836676)

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

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 Feb 15 2016 12:00AM [PMID: 26995719] (FLOW, Canine)

Klink M, Brzezinska M, Szulc I et al. Cholesterol oxidase is indispensable in the pathogenesis of Mycobacterium tuberculosis PLoS One. 2013 Sep 9 [PMID: 24039915] (FLOW, Human)

Komine-Aizawa S, Hirohata N, Aizawa S, Abiko Y. Porphyromonas gingivalis lipopolysaccharide inhibits trophoblast invasion in the presence of nicotine Placenta et al. 2014 Nov 07 [PMID: 25468545] (FLOW, Human)

Details:
TLR2 antibody used for FLOW on immortalized human first-trimester trophoblast cell line HTR-8/Svneo treated or not with Porphyromonas gingivalis lipopolysaccharide and nicotine (Fig. 1a and b)

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 Sep [PMID: 19740321] (Flow-IC)

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 Feb 10 [PMID: 19195606] (WB, Human)

Details:
IHC(paraffin), human lung tissue, Fig. Supp 1: 1. IMG-71201 (CCR1), Fig. 1D.

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 Jul [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 May 14 [PMID: 24836676] (Flow-CS, Human)

Details:
Human peripheral whole blood (subjected to red cell lysis): Figs 1, 2 & Tables 2,3.

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 2013 Dec 25 [PMID: 24373795] (FLOW, Human)

Mempel M, Voelcker V, K0llisch 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 Dec [PMID: 14675188]

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 Mar [PMID: 19103770] (Flow-CS)

Details:
TLR2 [IMG-416C] Flow (Cell Surface and Intracellular) (HOk-16B cells cocultured with F. nucleatum), Fig. 1d Flow (Cell Surface) (TLR2-siRNA-transfected HOk-16B cells infected with F. nucleatum), Fig. 4a.

Prabha C, Rajashree P, Sulochana DD. TLR2 and TLR4 expression on the immune cells of tuberculous pleural fluid. Immunol Lett. 2008 Apr 15 [PMID: 18295348]

Details:
Antibodies cited: 1. TLR2- FITC (IMG-416C): Flow (cell surface): Figs. 1A,B (human CD4+T cells, CD8+T cells, B cells, CD16+56+ cells and monocytes); 2(CD4+T cells); 4A,B (human Treg cells). Flow (intracellular): Fig. 3A,B (CD4+T cells) 2. TLR4- FITC (IMG-

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 Jun 14 [PMID: 23629653]

Details:
Antibodies cited (THP-1 cells): 1. TLR2, clone TL2.1 (IMG-416E): Neutralization assays (Fig 7), pre-treatment with the TLR2 mAb inhibited maltoheptaose-stimulated cytokine expression. Inhibition was TLR2 mAb dose dependent; WB (Fig 7), TLR2 was detected a

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NB100-56720PEP	TLR2 Blocking Peptide

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