Product Datasheet

TLR5 Antibody (85B152.5) [PE]

NBP2-24959

Unit Size: 0.1 ml

Store at 4C in the dark.

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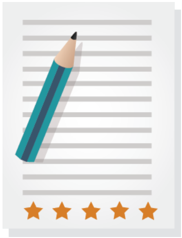
Updated 10/12/2016 v.20.1



NBP2-24959

TLR5 Antibody (85B152.5) [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	85B152.5
Preservative	0.05% Sodium Azide
Isotype	IgG2a
Conjugate	PE
Purity	Protein G purified
Buffer	PBS
Target Molecular Weight	100 kDa

Product Description

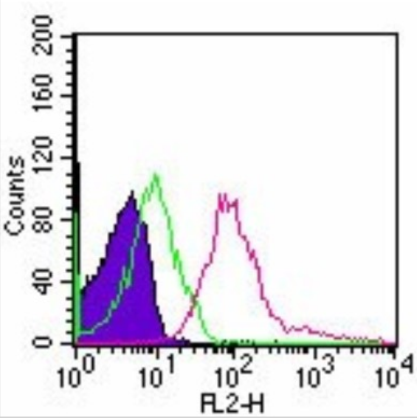
Host	Mouse
Gene ID	7100
Gene Symbol	TLR5
Species	Human, Mouse, Canine
Immunogen	This antibody was developed against KLH-conjugated synthetic peptide corresponding to a portion of human TLR5. It will cross-react with mouse TLR5 (NP_003259).

Product Application Details

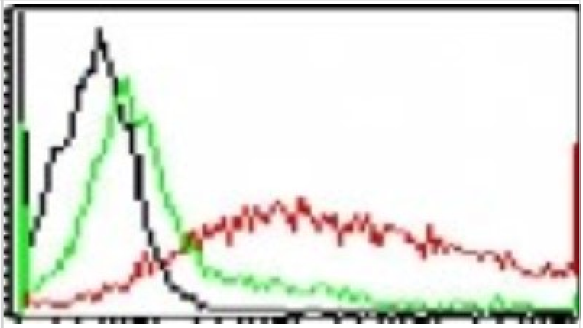
Applications	Flow Cytometry, Flow (Cell Surface), Flow (Intracellular)
Recommended Dilutions	Flow Cytometry 1ul/1 million cells, Flow (Cell Surface), Flow (Intracellular)
Application Notes	Reported use in Flow Cytometry (cell surface): see Wong et al, 2007 for details. Use in Flow cell surface and Flow intracellular reported in scientific literature (PMID 24779433) The observed molecular weight of the protein may vary from the listed predicted molecular weight due to post translational modifications, post translation cleavages, relative charges, and other experimental factors.

Images

Flow Cytometry: TLR5 Antibody (85B152.5) [PE] [NBP2-24959] - Intracellular flow analysis of TLR5 in 10^6 human lymphocytes using 0.5 ugs of PE-conjugated antibody. The shaded histogram represents cells without antibody, green represents isotype control antibody, and red represents TLR5 antibody.



Flow Cytometry: TLR5 Antibody (85B152.5) [PE] [NBP2-24959] - Cell surface analysis of TLR5 in 10^6 RAW cells using 0.5 ugs of PE-conjugated antibody. The black histogram represents cells without antibody, green represents isotype control antibody, and red represents TLR5 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)

Mishra A, Brown AL, Yao X et al. Dendritic cells induce Th2-mediated airway inflammatory responses to house dust mite via DNA-dependent protein kinase Nat Commun. 2015 Feb 19 [PMID: 25692509] (FLOW, Mouse)

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]

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.

Bens M, Vimont S, Ben Mkaddem S et al. Flagellin/TLR5 signalling activates renal collecting duct cells and facilitates invasion and cellular translocation of uropathogenic Escherichia coli. Cell. Microbiol. 2014 Apr 29 [PMID: 24779433] (Flow-CS, Flow-IC, Mouse)

Details:
Primary cultures of renal medullary collecting duct cells (MpkIMCD) from mouse kidney: Flow (cell surface) & Flow (intracellular), Fig 1E. Flow (cell surface) was done on non-permeabilized cells (Fig 1E, left panel) and Flow (intracellular) was done on pe

Mansson A, Adner M, Cardell LO. Toll-like receptors in cellular subsets of human tonsil T cells: altered expression during recurrent tonsillitis. Respir Res. 2006 Feb 27 [PMID: 16504163]

Details:
Antibodies cited (human tonsils separated into cell subtypes): 1. TLR3 [IMG-315D (Flow-Intracellular), Figs 5 and 6]. 2. TLR5 [IMG-663A (Flow-Intracellular), Fig 6]. 3. TLR9 [IMG-305C (Flow-Intracellular), Fig 4.].

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.

Feng T, Cong Y, Alexander K, Elson CO. Regulation of Toll-like receptor 5 gene expression and function on mucosal dendritic cells. PLoS One. 2012 [PMID: 22545147]

Details:
Antibodies cited: TLR5 (IMG-663A), Flow-intracellular (DC cells derived from C57BL/6 mice): Fig 1c, d: lamina propria (LP) from the intestine and splenic DCs. The cells were doubled stained with a CD11b mAb and the IMG-663A TLR5 mAb. The LP DCs but not th

LeBouder E, Rey-Nores JE, Raby AC et al. Modulation of neonatal microbial recognition: TLR-mediated innate immune responses are specifically and differentially modulated by human milk. J Immunol. 2006 Mar 15 [PMID: 16517743]

Details:
1. TLR3 (IMG-315) [Flow (Cell Surface), Fig.3 (dendritic cells)]. 2. TLR5 (IMG-663) [Flow (Cell Surface), Fig.2 (dendritic cells)].

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]

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

Pegu A, Qin S, Fallert Junecko BA et al. Human lymphatic endothelial cells express multiple functional TLRs. J Immunol. 2008 Mar 1 [PMID: 18292566]

Details:
Flow (Cell surface) and Flow (Intracellular), human lymphatic endothelial cells, Fig. 1D: 1. IMG-663C (TLR5-FITC) 2. IMG-304C (TLR6-FITC)

Crellin NK, Garcia RV, Hadisfar O et al. Human CD4+ T cells express TLR5 and its ligand flagellin enhances the suppressive capacity and expression of FOXP3 in CD4+CD25+ T regulatory cells. J Immunol. 2005 Dec 15 [PMID: 16339542]

Details:
Antibodies cited: 1. TLR5-FITC (IMG-663C) [Flow-intracellular, Figs 3B and 3D (primary human CD4+ T cells, primary human CD14+ monocytes, primary human monocyte-derived dendritic cells)]; 2, TLR5 (IMG-664) [WB, Fig 5 (primary human CD4+ T cells)] The spec

Wu H, Wang H, Xiong W et al. Expression patterns and functions of toll-like receptors in mouse sertoli cells. Endocrinology. 2008 Sep [PMID: 18499758]

Details:
Antibodies cited: 1. TLR2 (IMG-410A): WB (sertoli cell lysates), Fig. 1D. 2. TLR5 (IMG-444A): WB (sertoli cell lysates), Fig. 1D. 3. TLR5 (IMG-664C): Flow (cell surface), mouse sertoli cells and macrophages, Figs. 1B,C,E. 4. TLR6 (IMG-527): WB (sertoli ce

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Products Related to NBP2-24959

NBP1-97728C	TLR5 Antibody (85B152.5) [DyLight 650]
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210-TA-005/CF	TNF-alpha [Unconjugated]
NBP2-26269	Human TLR5 Stable Cell Line

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