Product Datasheet

TLR5 Antibody (85B152.5) [PE]
NBP2-24959

Unit Size: 0.1 ml

Store at 4C in the dark.

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Publications: 16

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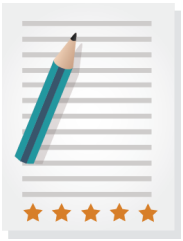
Updated 10/23/2024 v.20.1



NBP2-24959

TLR5 Antibody (85B152.5) [PE]

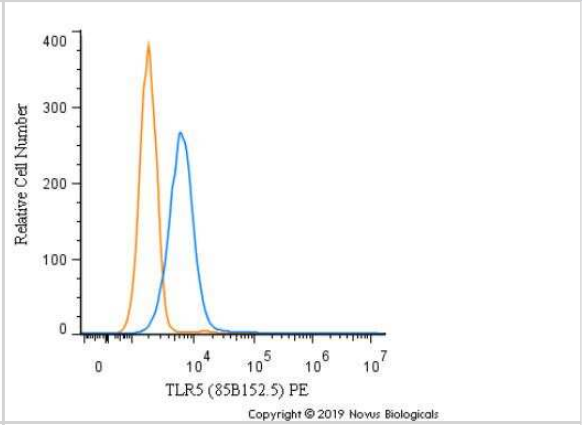
Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark.
Clonality	Monoclonal
Clone	85B152.5
Preservative	0.05% Sodium Azide
Isotype	IgG2a
Conjugate	PE
Purity	Protein G purified
Buffer	PBS

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).

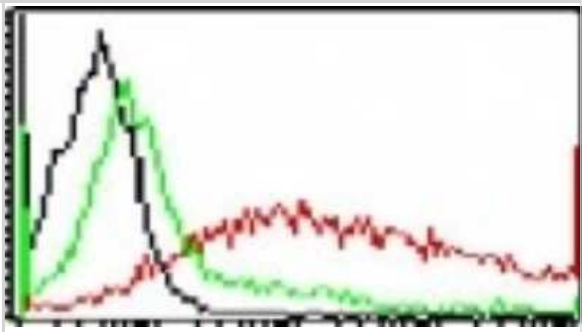
Product Application Details	
Applications	Flow Cytometry, Flow (Cell Surface), Flow (Intracellular)
Recommended Dilutions	Flow Cytometry 1ul/1 million cells, Flow (Cell Surface), Flow (Intracellular)
Application Notes	Optimal dilution of this antibody should be experimentally determined.

Images

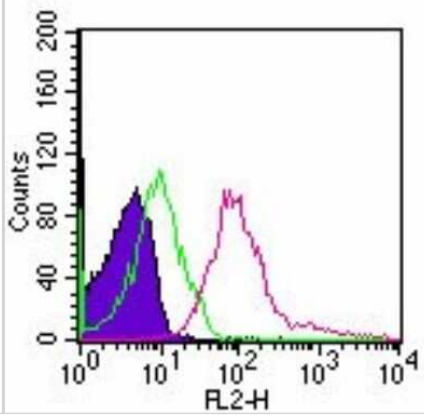
Flow Cytometry: TLR5 Antibody (85B152.5) [PE] [NBP2-24959] - A surface stain was performed on A431 cells with TLR5 [85B152.5] Antibody NBP2-24959 (blue) and a matched isotype control (orange). Cells were incubated in an antibody dilution of 5 ug/mL for 20 minutes at room temperature. Both antibodies were conjugated to Phycoerythrin.



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.



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.



Publications

Kumazoe M, Takamatsu K, Horie F et al. Methylated (-)-epigallocatechin 3-O-gallate potentiates the effect of split vaccine accompanied with upregulation of Toll-like receptor 5 Sci Rep 2021-11-29 [PMID: 34845235] (FLOW, Mouse)

Details:
Citation using the PE format 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.

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 Nat Commun [PMID: 25692509] (FLOW, Mouse)

Details:
This publication used the PE conjugated form of this antibody (Cat# NBP2-24959).

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.

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 2014-04-29 [PMID: 24779433] (Flow Cytometry Control, Flow-CS, Mouse)

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

Mansson A, Adner M, Cardell LO. Toll-like receptors in cellular subsets of human tonsil T cells: altered expression during recurrent tonsillitis. Respir Res. 2006-02-27 [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. 2009-09-01 [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. 2012-01-01 [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. 2006-03-15 [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 et al. Intracellular signaling mechanisms regulating toll-like receptor-mediated activation of eosinophils. Am J Respir Cell Mol Biol. 2007-07-01 [PMID: 17332440]

Details:
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 (IMG-5021), TLR2 (IMG-416C), TLR3 (IMG-315C), TLR4 (IMG-417C), TLR5 (IMG-663C), TLR6 (IMG-304C), TLR7 (IMG-665A), TLR8 (IMG-321C), TLR9 (IMG-305C).

Pegu A, Qin S, Fallert Junecko BA et al. Human lymphatic endothelial cells express multiple functional TLRs. J Immunol. 2008-03-01 [PMID: 18292566]

Details:
Antibodies cited [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. [PMID: 16339542]

Details:
Citation using the Azide and Endotoxin Free form of this antibody.

More publications at http://www.novusbio.com/NBP2-24959

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Products Related to NBP2-24959

NBP1-97728APC	TLR5 Antibody (85B152.5) [Allophycocyanin]
NBP2-24827PEP	TLR5 Antibody Blocking Peptide
210-TA-005	TNF-alpha [Unconjugated]
7915-TR-025	TLR5 [Unconjugated]

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