Product Datasheet

TLR3 Antibody
NBP2-24899

Unit Size: 0.1 mg

Store at 4C in the dark.

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NBP2-24899

TLR3 Antibody (40C1285.6) [FITC]

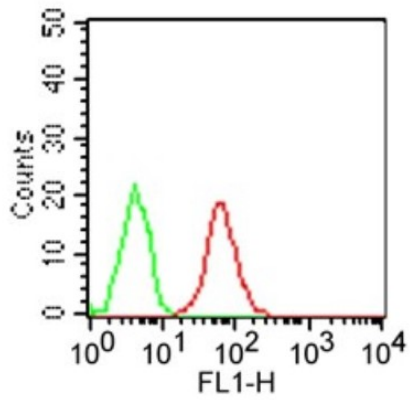
Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at 4C in the dark.
Clonality	Monoclonal
Clone	40C1285.6
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Conjugate	FITC
Purity	Protein G purified
Buffer	50 mM Sodium Borate

Product Description	
Host	Mouse
Gene ID	7098
Gene Symbol	TLR3
Species	Human, Mouse, Canine
Species Reactivity	This antibody is reactive to Dog, Human and Mouse.
Immunogen	A synthetic peptide corresponding to amino acids 55-85 of human TLR3 was used as immunogen.

Product Application Details	
Applications	Flow Cytometry, Immunocytochemistry/Immunofluorescence
Recommended Dilutions	Flow Cytometry 0.5-1 ug/10^6 cells, Immunocytochemistry/Immunofluorescence 1:10-1:2000

Images

Flow Cytometry: TLR3 Antibody (40C1285.6) [FITC] [NBP2-24899] - Intracellular analysis of TLR3 in human B cells using 1ug/10^6 cells of this antibody. Green represents isotype control; red represents anti-TLR3 antibody.



Publications

Tengroth L, Millrud CR, Kvarnhammar AM et al. Functional Effects of Toll-Like Receptor (TLR)3, 7, 9, RIG-I and MDA-5 Stimulation in Nasal Epithelial Cells. PLoS ONE. 2014 Jun 03 [PMID: 24886842] (Flow-IC, Human)

Details:
Fig 5: Detroit-562 & FaDu pharyngeal epithelial cell lines and primary nasal epithelial cells

Lundberg AM, Drexler SK, Monaco C et al. Key differences in TLR3/poly I:C signaling and cytokine induction by human primary cells: a phenomenon absent from murine cell systems. Blood. 2007 Nov 1 [PMID: 17660379] (Flow-IC, Flow-CS, Human)

Details:
TLR3-FITC (IMG-315C) used in Flow (Intracellular) and Flow (Cell surface): Fig 1B (human dendritic cells, macrophages, rheumatoid arthritis synovial fibroblasts, and endothelial cells).

Ueta M, Hamuro J, Kiyono H, Kinoshita S. Triggering of TLR3 by polyI:C in human corneal epithelial cells to induce inflammatory cytokines. Biochem Biophys Res Commun. 2005 May 27 [PMID: 15845391]

Details:
TLR3 (IMG-315) [Flow (cell surface), Fig.2 (MRC-5 and HCEC cells), Fig.4C (HCEC, HCFB, MRC-5, and HeLa cells), Fig.6B (HCEC cells)].

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.].

Yan K, Zhu W, Yu L et al. Toll-like receptor 3 and RIG-I-like receptor activation induces innate antiviral responses in mouse ovarian granulosa cells. Mol Cell Endocrinol. 2013 Jun 15 [PMID: 23567548]

Menager P, Roux P, Megret F et al. Toll-like receptor 3 (TLR3) plays a major role in the formation of rabies virus Negri Bodies. PLoS Pathog. 2009 Feb [PMID: 19247444]

Pohar J, Pirher N, Bencina M et al. The role of UNC93B1 protein in surface localization of TLR3 receptor and in cell priming to nucleic acid agonists. J Biol Chem. 2013 Jan 4 [PMID: 23166319]

Funami K, Matsumoto M, Oshiumi H et al. The cytoplasmic 'linker region' in Toll-like receptor 3 controls receptor localization and signaling. Int Immunol. 2004 Aug [PMID: 15226270]

Cohen PA, Koski GK, Czerniecki BJ et al. STAT3- and STAT5-dependent pathways competitively regulate the pan-differentiation of CD34pos cells into tumor-competent dendritic cells. Blood. 2008 Sep 1 [PMID: 18577706]

Kleinman ME, Kaneko H, Cho WG et al. Short-interfering RNAs induce retinal degeneration via TLR3 and IRF3. Mol Ther. 2012 Jan [PMID: 21988875] (IHC-P, Mouse)

Details:
1. TLR3 pAb (IMG-516): IHC (P), Fig 4D (mouse eye sections).

Kleinman ME, Yamada K, Takeda A et al. Sequence- and target-independent angiogenesis suppression by siRNA via TLR3. Nature. 2008 Apr 3 [PMID: 18368052]

Kuznik A, Bencina M, Svajger U et al. Mechanism of endosomal TLR inhibition by antimalarial drugs and imidazoquinolines. J Immunol. 2011 Apr 15 [PMID: 21398612]

More publications at http://www.novusbio.com/NBP2-24899

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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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