

Product Datasheet

TLR3 Antibody (40C1285.6) [PE] NBP2-24902

Unit Size: 0.1 ml

Store at 4C in the dark.

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NBP2-24902

TLR3 Antibody (40C1285.6) [PE]

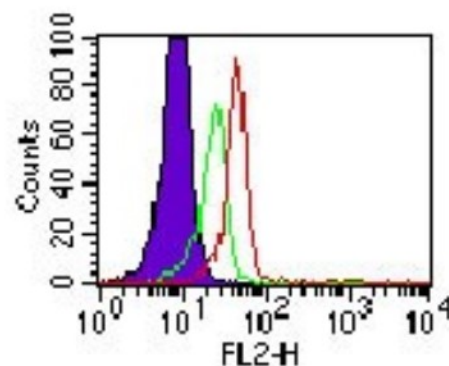
| Product Information | |
|---------------------|---|
| Unit Size | 0.1 ml |
| Concentration | Please see the vial label for concentration. If unlisted please contact technical services. |
| Storage | Store at 4C in the dark. |
| Clonality | Monoclonal |
| Clone | 40C1285.6 |
| Preservative | 0.05% Sodium Azide |
| Isotype | IgG1 Kappa |
| Conjugate | PE |
| Purity | Protein G purified |
| Buffer | PBS |

| Product Description | |
|---------------------|---|
| Host | Mouse |
| Gene ID | 7098 |
| Gene Symbol | TLR3 |
| Species | Human, Mouse, Canine |
| Immunogen | A synthetic peptide corresponding to amino acids 55-85 of human TLR3 was used as immunogen. |

| Product Application Details | |
|-----------------------------|--|
| Applications | Flow Cytometry, Flow (Intracellular), Immunocytochemistry/Immunofluorescence |
| Recommended Dilutions | Flow Cytometry 1ul/1 million cells, Immunocytochemistry/Immunofluorescence 1:10-1:2000, Flow (Intracellular) |
| Application Notes | Use in Flow Intracellular reported in scientific literature (PMID 24836676) |

Images

Flow Cytometry: TLR3 Antibody (40C1285.6) [PE] [NBP2-24902] - Intracellular analysis of TLR3 in human monocytes using 0.5 ug/10⁶ cells of this antibody. Shaded histogram represents cells without antibody; green represents isotype control ; red represents anti-TLR3 antibody.



Publications

Larsson O, Tengroth L, Xu Y et al. Substance P represents a novel first-line defense mechanism in the nose. *J. Allergy Clin. Immunol.* 2017 Feb 20 [PMID: 28219705] (Flow, Mouse)

Evangelista MG, Castro SB, Alves CC et al. Early IFN-gamma production together with decreased expression of TLR3 and TLR9 characterizes EAE development conditional on the presence of myelin. *Autoimmunity.* 2016 Feb 24 [PMID: 26911613] (FLOW, Mouse)

Jamin A, Dehoux L, Dossier C et al. Toll-like receptor 3 expression and function in childhood idiopathic nephrotic syndrome *Clin. Exp. Immunol.* 2015 Jun 30 [PMID: 26123900] (FLOW, Human)

Details:

TLR3 antibody clone 40C1285.6 [PE] (Imgenex: IMG-315D) was used for FLOW on peripheral blood mononuclear cells/PBMC of idiopathic nephrotic syndrome/INS children, including 28 in relapse, 23 in remission and 40 controls. The cells were incubated with conjugated antibodies along with isotype control for 30 minutes at 4C and 10(5) viable PBMCs were analyzed using FACSCantoll/FACSDiva.

Tengroth L, Arebro J, Kumlien Georen S et al. Deprived TLR9 Expression in Apparently Healthy Nasal Mucosa Might Trigger Polyp-Growth in Chronic Rhinosinusitis Patients. *PLoS ONE.* 2014 Aug 19 [PMID: 25133733] (FLOW, Human)

Details:

TLR3-PE (clone 40C1285.6) antibody used in FLOW application for detecting the basal expression of virus-recognizing TLR - TLR3 in turbinate epithelial cells from patients with Chronic rhinosinusitis with nasal polyps (CRSwNP) or without nasal polyps (CRSsNP). Expression level was equal in both groups and data is not shown in the publication.

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-IC, Human)

Details:

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

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] (Flow-IC, Human)

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]

More publications at <http://www.novusbio.com/NBP2-24902>





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Products Related to NBP2-24902

| | |
|------------------|--|
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| NBP1-43778-0.1mg | Mouse IgG1 Kappa Light Chain Isotype Control (P3.6.2.8.1) [PE] |
| NBP2-24782 | TLR3 Antibody (40C1285.6) [Biotin] |
| NBP2-36592-50ug | Human TLR3 Biologically Active Protein |

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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