Product Datasheet

TLR9 Antibody (26C593.2) [PE]
NBP2-24907

Unit Size: 0.1 ml

Store at 4C in the dark.

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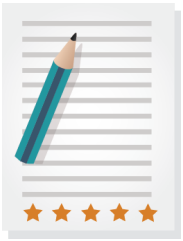


NBP2-24907

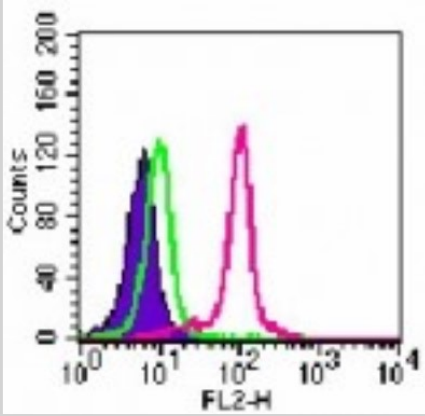
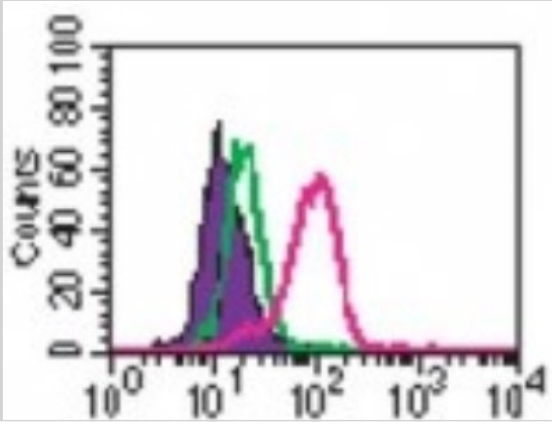
TLR9 Antibody (26C593.2) [PE]

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	26C593.2
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Conjugate	PE
Purity	Protein G purified
Buffer	PBS

Product Description	
Host	Mouse
Gene ID	54106
Gene Symbol	TLR9
Species	Human, Mouse, Rat, Canine, Equine, Primate
Reactivity Notes	Rhesus Monkey.
Immunogen	This antibody was developed against KLH-conjugated synthetic peptide corresponding to amino acids 268-300 of human TLR9 isoform A (Genbank accession no. AAF78037).

Product Application Details	
Applications	Flow Cytometry, Immunocytochemistry/Immunofluorescence
Recommended Dilutions	Flow Cytometry 1ul/1 million cells, Immunocytochemistry/Immunofluorescence 1:10-1:2000
Application Notes	Staining of formalin-fixed tissues is enhanced by boiling tissue sections in 10 mM sodium citrate buffer, pH 6.0 for 10-20 min followed by cooling at RT for 20 min. In human PBMC, a ~120 kDa band is observed. A smaller isoform, TLR9 isoform B (Genbank accession no. AAF72190) containing 975 amino acids may also be observed in some cases.

Images

Flow Cytometry: TLR9 Antibody (26C593.2) [PE] [NBP2-24907] - Intracellular flow analysis of TLR9 in Ramos cells using 0.1 ug of antibody. Shaded histogram represents Ramos cells without antibody; green represents a mouse IgG1-PE isotype control red represents anti-TLR9 antibody.	
Flow Cytometry: TLR9 Antibody (26C593.2) [PE] [NBP2-24907] - Intracellular analysis of TLR9 in human PBMCs using 0.2 ug of this antibody. Shaded histogram represents cells without antibody; green represents a mouse IgG1-PE isotype control ; red represents anti-TLR9 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)

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)

Dillmann C, Ringel C, Ringleb J et al. S1PR4 Signaling Attenuates ILT 7 Internalization To Limit IFN-alpha Production by Human Plasmacytoid Dendritic Cells. J. Immunol. 2016 Jan 18 [PMID: 26783340] (FLOW, Human)

Lopez MC, Palmer BE, Lawrence DA. Naive T cells, unconventional NK and NKT cells, and highly responsive monocyte-derived macrophages characterize human cord blood. Immunobiology. 2014 Jun 11 [PMID: 24986635] (Flow-IC, Human)

Details:
Fig 7: Primary dendritic cells isolated from whole cord blood and adult peripheral blood samples. The TLR9 mAb was used as a part of a panel of antibodies to study the cellular phenotypes of CD and APB.

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

Abel K, Wang Y, Fritts L et al. Deoxycytidyl-deoxyguanosine oligonucleotide classes A, B, and C induce distinct cytokine gene expression patterns in rhesus monkey peripheral blood mononuclear cells and distinct alpha interferon responses in TLR9-expressing rhesus monkey plasmacytoid den Clin Diagn Lab Immunol. 2005 May [PMID: 15879022] (Flow-IC, Primate (Rhesus monkey))

Details:
IMG-305C [Flow (Intracellular), Fig. 5] on Rhesus monkey spleen cell suspensions and PBMC.

Cognasse F, Hamzeh H, Chavarin P et al. Evidence of Toll-like receptor molecules on human platelets. Immunol Cell Biol. 2005 Apr [PMID: 15748217] (Flow-Cs, Flow-IC, Human)

Details:
TLR2-PE (IMG-416D), TLR4-PE (IMG-417D), TLR6 (IMG-304A), TLR8-PE (IMG-321D), TLR9-PE (IMG-305D). Applications: Intracellular Flow Cytomety and Cell Surface Flow Cytometry: Figs 1 and 2. A comparison of staining results, intracellular versus cell surface flow cytometry is shown. Cell type: Human platelets.

Selleri S, Palazzo M, Deola S et al. Induction of pro-inflammatory programs in enteroendocrine cells by the Toll-like receptor agonists flagellin and bacterial LPS. Int Immunol. 2008 Aug [PMID: 18544573] (Flow-IC, Human)

Details:
TLR9-FITC (IMG-305C): Flow (intracellular), Human colon neuroendocrine LCC-18 cell line: Fig. 4d.

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.].

Wu J, Meng Z, Jiang M et al. Toll-like receptor-induced innate immune responses in non-parenchymal liver cells are cell type-specific. Immunology. 2010 Mar [PMID: 19922426]

Jukkola-Vuorinen A, Rahko E, Vuopala KS et al. Toll-like receptor-9 expression is inversely correlated with estrogen receptor status in breast cancer. J Innate Immun. 2009 [PMID: 20375566]

Zhou M, McFarland-Mancini MM, Funk HM et al. Toll-like receptor expression in normal ovary and ovarian tumors. Cancer Immunol Immunother. 2009 Sep [PMID: 19184006]

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NBP2-24863	TLR9 Antibody (26C593.2) - Azide Free
H00054106-Q01-10ug	Recombinant Human TLR9 Protein

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