

Product Datasheet

TLR9 Antibody (26C593.2) [Biotin] NBP2-24890

Unit Size: 0.1 ml

Store at 4C. Do not freeze.

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NBP2-24890

TLR9 Antibody (26C593.2) [Biotin]

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. Do not freeze.
Clonality	Monoclonal
Clone	26C593.2
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Conjugate	Biotin
Purity	Protein G purified
Buffer	PBS

Product Description	
Host	Mouse
Gene ID	54106
Gene Symbol	TLR9
Species	Human, Mouse, Rat, Canine, Equine, Primate, Monkey
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	ELISA, Flow Cytometry, Flow (Cell Surface), Flow (Intracellular), Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, In vitro assay, Knockdown Validated
Recommended Dilutions	Flow Cytometry, ELISA 1:100-1:2000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen, In vitro assay, Flow (Cell Surface), Flow (Intracellular), Knockdown Validated
Application Notes	Optimal dilution of this antibody should be experimentally determined.

Publications

Zambirinis Constantinos P, Levie Elliot, Nguy Susanna et al. TLR9 ligation in pancreatic stellate cells promotes tumorigenesis. Journal of Experimental Medicine 2015-01-01 [PMID: 26481685] (FLOW, Mouse)

Details:

This citation used the Biotin version of this antibody.



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. 2005-05-01 [PMID: 15879022] (Flow Cytometry Control, Primate (Rhesus monkey))

Details:

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

Banus JFB. Understanding the role of Toll-like receptors in the lower gastrointestinal tract. Thesis. 2014-01-01 (IHC-P, Mouse)

Details:

Colon, Figs 1-3

Guerrier T, Pochard P, Lahiri A et al. TLR9 expressed on plasma membrane acts as a negative regulator of human B cell response. J. Autoimmun. 2014-02-25 [PMID: 24582318] (Flow-CS, In-vitro, Human)

Details:

Human B cells: The TLR9 mAb was used to stimulate cells, Figs 4, 5.

Nakamura K, Miyazato A, Xiao G et al. Deoxynucleic acids from *Cryptococcus neoformans* activate myeloid dendritic cells via a TLR9-dependent pathway. J Immunol. 2008-03-15 [PMID: 18322216]

Details:

TLR9-FITC (IMG-305C) for IF/ICC (intracellular confocal microscopy) in the following figures: 1. Fig 8a: primary mouse bone marrow-derived myeloid dendritic cells (BM-DC) treated with Cn-DNA and CpG-Rhodamine and analyzed over a time course 2. Fig 8b: BM-DC and RAW264.1 cells treated with Cn-DNA Note: intracellular redistribution of TLR9 was observed in treated 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. 2006-02-27 [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.].

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. [PMID: 19922426]

Details:

Citation using the PE/Cy5 form of this antibody.

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. 2009-01-01 [PMID: 20375566]

Zhou M, McFarland-Mancini MM, Funk HM et al. Toll-like receptor expression in normal ovary and ovarian tumors. Cancer Immunol Immunother. 2009-09-01 [PMID: 19184006]

Tran N, Koch A, Berkels R et al. Toll-like receptor 9 expression in murine and human adrenal glands and possible implications during inflammation. J Clin Endocrinol Metab. 2007-07-01 [PMID: 17473064]

Booth JS, Arsenault R, Napper S et al. TLR9 signaling failure renders Peyer's patch regulatory B cells unresponsive to stimulation with CpG oligodeoxynucleotides. J Innate Immun. 2010-01-01 [PMID: 20551621]

Meneghin A, Choi ES, Evanoff HL et al. TLR9 is expressed in idiopathic interstitial pneumonia and its activation promotes in vitro myofibroblast differentiation. Histochem Cell Biol. 2008-11-01 [PMID: 18633634]

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NBP2-24863	TLR9 Antibody (26C593.2) - Azide Free

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