

Product Datasheet

TLR3 Antibody **NBP2-24875SS**

Unit Size: 0.025 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP2-24875SS

TLR3 Antibody (40C1285.6)

Product Information

Unit Size	0.025 mg
Concentration	0.5 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	40C1285.6
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein G purified
Buffer	0.1 mg in 0.2 ml PBS containing 0.05% BSA

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. Gen Bank no. gb AAH59372.1 . Human TLR3 is an 870 amino acid protein.

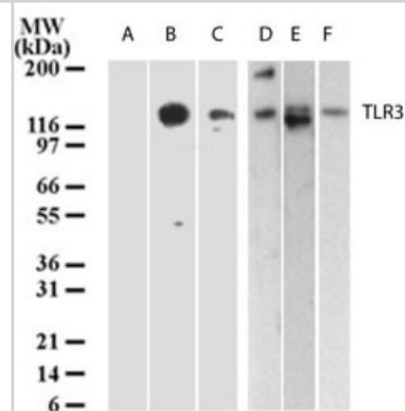
Product Application Details

Applications	Western Blot, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Flow Cytometry 2-4 ug/ 1x10 ⁶ cells, Immunocytochemistry/Immunofluorescence 1:10-1:500, Immunohistochemistry 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500, Immunoprecipitation 2 ug/ 1x10 ⁶ cells, Western Blot 1-3 ug/ml

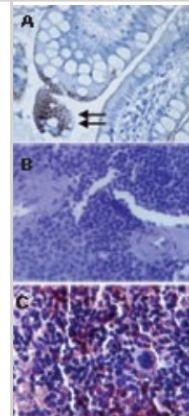


Images

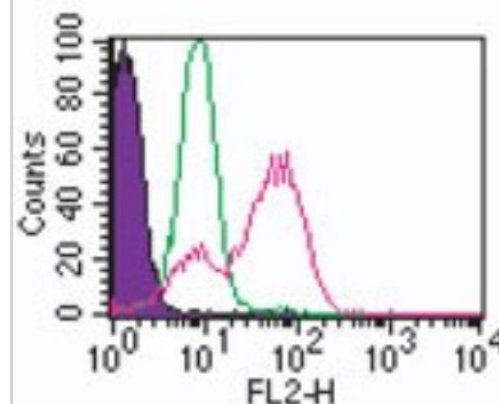
Western Blot: TLR3 Antibody (40C1285.6) [NBP2-24875] - analysis of TLR3 in lysates from A) untransfected 293, B) 293 cells transfected with human TLR3 cDNA, C) human intestine, D) placenta, E) heart and F) ovary using TLR3 antibody at 3 ug/ml. Goat anti-mouse HRP conjugate was used as secondary.



Immunohistochemistry-Paraffin: TLR3 Antibody (40C1285.6) [NBP2-24875] - Analysis of TLR3 in (A) human gut lumen (longitudinal section, transverse region) using this antibody at 10 ug/ml (Data courtesy Dr. Elizabeth Furrie, University of Dundee) and mouse spleen tissue using isotype control (B) and this antibody (C) at 5 mg/ml.



Flow Cytometry: TLR3 Antibody (40C1285.6) [NBP2-24875] - Intracellular flow analysis of TLR3 in human monocytes using 0.5 ug of the antibody. Shaded histogram represents monocytes without antibody; green represents isotype control (Novus, 20109); red represents anti-TLR3 antibody. Goat anti-mouse IgG1 PE conjugate (BD) was used as secondary



Publications

Ichikawa T, Sugiura H, Koarai A et al. TLR3 Activation Augments Matrix Metalloproteinase Production through Reactive Nitrogen Species Generation in Human Lung Fibroblasts. *J. Immunol.* 2014 Apr 23 [PMID: 24760149] (ICC/IF, WB, Human)

Hamidi S, Schafer-Korting M, Weindl G et al. TLR2/1 and sphingosine 1-phosphate modulate inflammation, myofibroblast differentiation and cell migration in fibroblasts. *Biochim. Biophys. Acta.* 2014 Jan 15 [PMID: 24440818] (ICC/IF, Human)

Pohar J, Pirher N, Ben?ina M et al. The Ectodomain of TLR3 Receptor Is Required for Its Plasma Membrane Translocation. *PLoS ONE* 2014 Mar 21 [PMID: 24651829] (WB, Human)

de Bouteiller O, Merck E, Hasan UA et al. Recognition of double-stranded RNA by human toll-like receptor 3 and downstream receptor signaling requires multimerization and an acidic pH. *J Biol Chem.* 2005 Nov 18 [PMID: 16144834]

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]

Duffy KE, Lamb RJ, San Mateo LR et al. Down modulation of human TLR3 function by a monoclonal antibody. *Cell Immunol.* 2007 Aug [PMID: 18048020]

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]

Yang X, Murthy V, Schultz K et al. Toll-like receptor 3 signaling evokes a proinflammatory and proliferative phenotype in human vascular smooth muscle cells. *Am J Physiol Heart Circ Physiol.* 2006 Nov [PMID: 16782847]

Fadnis PR, Ravi V, Desai A et al. Innate immune mechanisms in Japanese encephalitis virus infection: effect on transcription of pattern recognition receptors in mouse neuronal cells and brain tissue. *Viral Immunol* 2013 Dec [PMID: 24236856] (ICC/IF, Mouse)

Anagandula M, Richardson SJ, Oberste MS et al. Infection of human islets of langerhans with two strains of coxsackie B virus serotype 1: Assessment of virus replication, degree of cell death and induction of genes involved in the innate immunity pathway. *J Med Virol* 2013 Nov 19 [PMID: 24249667] (IHC-P, Human)

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]

Furrie E, Macfarlane S, Thomson G et al. Toll-like receptors-2, -3 and -4 expression patterns on human colon and their regulation by mucosal-associated bacteria. *Immunology.* 2005 Aug [PMID: 16011525]

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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.

For more information on our guarantee, please visit www.novusbio.com/guarantee.

