

Product Datasheet

TLR2 Antibody NB100-56728SS

Unit Size: 0.05 ml

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

www.novusbio.com



support@novusbio.com

Publications: 9

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NB100-56728

Updated 6/15/2014 v.20.1

NB100-56728SS

TLR2 Antibody (1030A5.138)

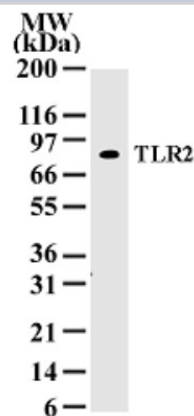
Product Information	
Unit Size	0.05 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	1030A5.138
Preservative	0.05% Sodium Azide
Isotype	IgG1
Purity	Ascites
Buffer	PBS containing 0.05% BSA

Product Description	
Host	Mouse
Gene ID	7097
Gene Symbol	TLR2
Species	Human
Species Reactivity	Cross reacts with Human.
Specificity/Sensitivity	In Ramos, an 86 kDa band is observed.
Immunogen	This antibody was developed against extracellular domain of human TLR2.

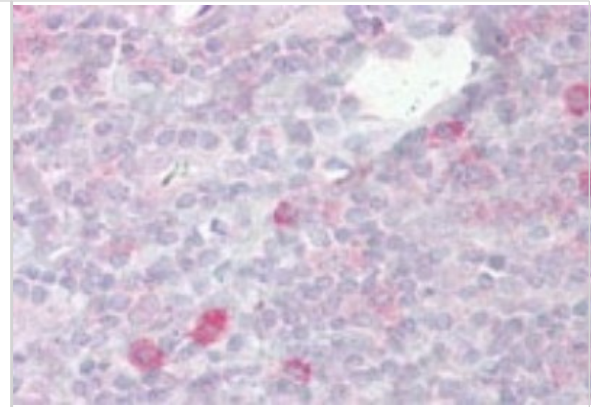
Product Application Details	
Applications	Western Blot, ELISA, Flow Cytometry, Immunohistochemistry-Paraffin
Recommended Dilutions	ELISA, Flow Cytometry 2.5-5 ul/10 ⁶ cells, Immunohistochemistry-Paraffin 40 ul of antibody, Western Blot 1:250-1000
Application Notes	Use in ELISA reported in scientific literature (PMID 25174416)

Images

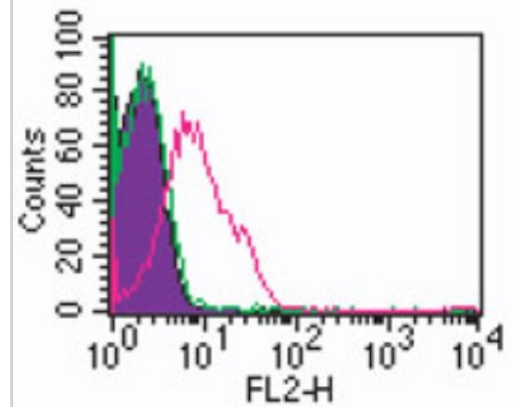
Western Blot: TLR2 Antibody (1030A5.138) [NB100-56728] - Analysis of TLR2 in 30 ugs of Ramos whole cell lysate using TLR2 antibody at 1:500.



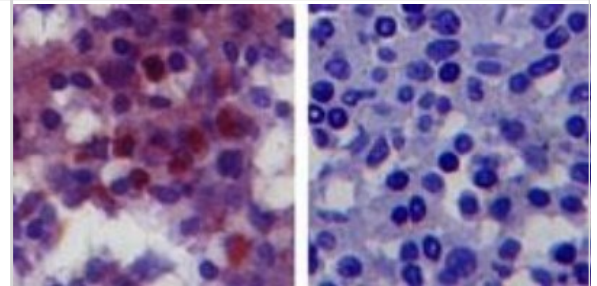
Immunohistochemistry-Paraffin: TLR2 Antibody (1030A5.138) [NB100-56728] - Analysis of human spleen tissue using 40 ul of TLR2 antibody.



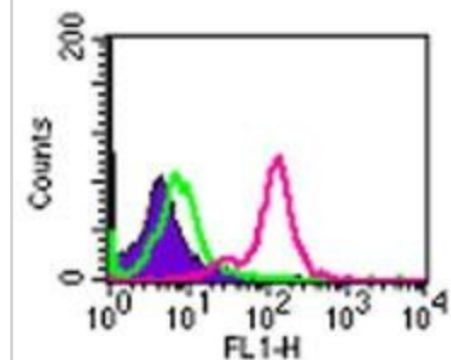
Flow Cytometry: TLR2 Antibody (1030A5.138) [NB100-56728] - Surface flow analysis of TLR2 on 10^6 human monocytes using 2.5 ul of TLR2 antibody. The shaded histogram represents cells with no antibody present; green represents isotype control this antibody; red represents TLR2 antibody. Goat anti mouse IgG1 PE secondary was used.



Immunohistochemistry-Paraffin: TLR2 Antibody (1030A5.138) [NB100-56728] - Analysis of TLR2 in paraffin-embedded human spleen tissue using NB100-56728 at 1:100 (left) and isotype control (right).



Flow Cytometry: TLR2 Antibody (1030A5.138) [NB100-56728] - Analysis of TLR2 in 10^6 ThP1 cells using 5 ul of NB100-56728. The shaded histogram represents ThP1 cells with no antibody present; green represents isotype control; red represents NB100-56728 antibody.



Publications

Zhao A, Blackburn C, Chin J, Srinivasan M. Soluble toll like receptor 2 (TLR-2) is increased in saliva of children with dental caries. *BMC Oral Health*. 2014 Sep 12 [PMID: 25174416] (ELISA, Human)

Details:
TLR2 antibody (clone 1030A5.138) used for ELISA on unstimulated whole saliva from caries free and caries active children (Figure 2).

Li J, Setiawan M, Wu H et al. Regulation of toll-like receptor expression in human conjunctival epithelial cells. *Mediators Inflamm*. 2014 Jun 30 [PMID: 24976686] (WB, Human)

Details:
Figs 2c, d: HCET human immortalized corneal and IOBA-NHC conjunctival epithelial cells.

Alsaleh G, Gottenberg JE. Characterization of MicroRNAs and Their Targets. *Methods Mol. Biol*. 2014 Apr 07 [PMID: 24706275] (WB, Human)

Details:
Human synoviocytes isolated from the synovial tissues of rheumatoid arthritis patients, Fig 2.

LeBouder E, Rey-Nores JE, Rushmere NK et al. Soluble forms of Toll-like receptor (TLR)2 capable of modulating TLR2 signaling are present in human plasma and breast milk. *J Immunol*. 2003 Dec 15 [PMID: 14662871] (WB, Human)

Details:
1. TLR2 (IMG-319 and IMG-410); For IMG-319: WB, Fig.1D and Fig.6C (Mono Mac-6 monocytes); For IMG-410: Fig.6A-B, (human breast milk).

Shuto T, Imasato A, Jono H et al. Glucocorticoids synergistically enhance nontypeable *Haemophilus influenzae*-induced Toll-like receptor 2 expression via a negative cross-talk with p38 MAP kinase. *J Biol Chem*. 2002 May 10 [PMID: 11867630] (WB)

Details:
WB : 1. TLR2 (IMG-319) [Fig. 4B (HeLa cells)].

Philippe L, Alsaleh G, Suffert G et al. TLR2 expression is regulated by microRNA miR-19 in rheumatoid fibroblast-like synoviocytes. *J Immunol*. 2012 Jan 1 [PMID: 22105995] (WB, Human)

Details:
TLR2 (IMG-319). WB: human fibroblast-like synoviocytes (FLS) treated with bacterial lipopeptide (BLP) and LPS, Figs 1C & 4C.

Firoved AM, Ornatowski W, Deretic V. Microarray analysis reveals induction of lipoprotein genes in mucoid *Pseudomonas aeruginosa*: implications for inflammation in cystic fibrosis. *Infect Immun*. 2004 Sep [PMID: 15321993] (WB)

Details:
1. TLR2 (IMG-319), [Fig.2B: (CF (IBF3-1) and CFTR corrected cells), Fig.3C: (NuLi and 9/HTEo- cells)].

Francois S, El Benna J, Dang PM et al. Inhibition of neutrophil apoptosis by TLR agonists in whole blood: involvement of the phosphoinositide 3-kinase/Akt and NF-kappaB signaling pathways, leading to increased levels of Mcl-1, A1, and phosphorylated Bad. *J Immunol*. 2005 Mar 15 [PMID: 15749901] (WB, Human)

Details:
Antibodies cited: [WB (human polymorphonuclear neutrophils (PMN)), Fig. 5]: 1. TLR2 (IMG-319) 2. TLR3 (IMG-315A) 3. TLR5 (IMG-664) 4. TLR7(IMG-581A)

Janardhanam SB, Prakasam S, Swaminathan VT et al. Differential expression of TLR-2 and TLR-4 in the epithelial cells in oral lichen planus. Arch Oral Biol. 2012 May [PMID: 22119043] (IHC-P)

Details:
IHC (P) of human oral epithelium (Fig 1): 1. TLR2 (IMG-319) 2. TLR4 (IMG-5031A) Note: Both antibodies were used at 0.5/ml. Cutaneous epithelium was used as a positive control for TLR2 and TLR4 expression.





Novus Biologicals USA

8100 Southpark Way, A-8
Littleton, CO 80120
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
novus@novusbio.com

Novus Biologicals Canada

461 North Service Road West, Unit B37
Oakville, ON L6M 2V5
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada@novusbio.com

Novus Biologicals Europe

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: technical@novusbio.com
Orders: orders@novusbio.com
General: novus@novusbio.com

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.

