

Product Datasheet

TLR6 Antibody (86B1153.2) - BSA Free NB100-56536

Unit Size: 0.1 mg

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

www.novusbio.com



technical@novusbio.com

Publications: 19

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NB100-56536

Updated 10/23/2024 v.20.1

Earn rewards for product
reviews and publications.

Submit a publication at www.novusbio.com/publications

Submit a review at www.novusbio.com/reviews/destination/NB100-56536



NB100-56536

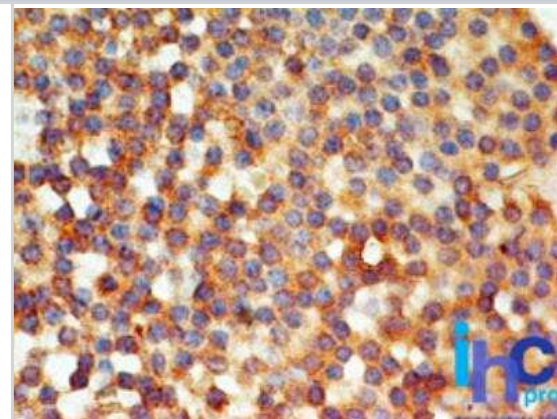
TLR6 Antibody (86B1153.2) - BSA Free

| Product Information | |
|------------------------------------|--|
| Unit Size | 0.1 mg |
| Concentration | 1.0 mg/ml |
| Storage | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles. |
| Clonality | Monoclonal |
| Clone | 86B1153.2 |
| Preservative | 0.02% Sodium Azide |
| Isotype | IgG1 |
| Purity | Protein G purified |
| Buffer | PBS |
| Product Description | |
| Host | Mouse |
| Gene ID | 10333 |
| Gene Symbol | TLR6 |
| Species | Human |
| Immunogen | This antibody was developed against a synthetic peptide corresponding to amino acids 408-424 of human TRL6. |
| Product Application Details | |
| Applications | Western Blot, Flow Cytometry, Flow (Cell Surface), Flow (Intracellular), Immunohistochemistry, Immunohistochemistry-Paraffin |
| Recommended Dilutions | Western Blot reported in scientific literature (PMID 17332440), Flow Cytometry 3 ug/10 ⁶ cells, Immunohistochemistry 1:10-1:500, Immunohistochemistry-Paraffin 5 ug/ml, Flow (Cell Surface) reported in scientific literature (PMID 24986635), Flow (Intracellular) |

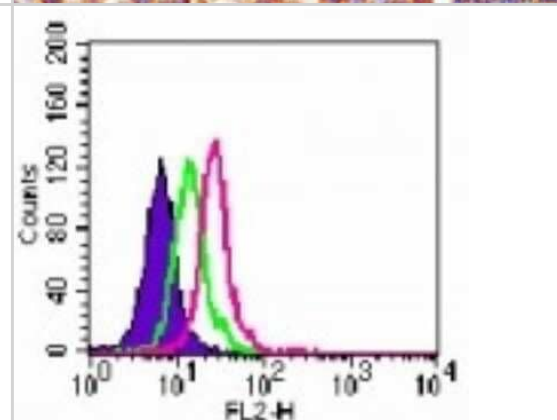


Images

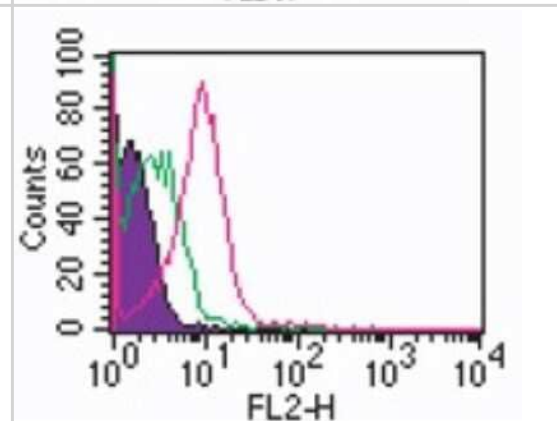
Immunohistochemistry-Paraffin: TLR6 Antibody (86B1153.2) [NB100-56536] - Tonsil probed with TLR6 antibody at 5 ug/ml. Novus's human tissue TMA was used for this test. Staining of formalin-fixed tissues is enhanced by boiling tissue sections in 10 mM sodium citrate buffer, pH 6.0 for 10-20 min followed by cooling at RT for 20 min.



Flow (Intracellular): TLR6 Antibody (86B1153.2) [NB100-56536] - Analysis using the PE conjugate of NB100-56536. Staining of TLR6 in Ramos cells using this antibody. 5 ug/10⁶ cells. Shaded histogram represents Ramos cells without antibody; green represents isotype control (BD Pharmingen); red represents this antibody.



Flow Cytometry: TLR6 Antibody (86B1153.2) [NB100-56536] - Cell surface analysis of TLR6 antibody in 10⁶ human monocytes using 0.5 ug of this antibody. Shaded histogram represents cells without antibody; green represents isotype control antibody ; red represents anti-TLR6 antibody. goat anti-mouse IgG PE conjugated secondary antibody was used.



Publications

Qiu C, Wang J, Zhu L et al. Improving the ex vivo expansion of human tumor-reactive CD8 + T cells by targeting toll-like receptors *Frontiers in Bioengineering and Biotechnology* 2022-10-31 [PMID: 36394017] (Flow Cytometry, Block/Neutralize)

Sato Y, Wakita A, Maeda E et al. High TLR6 Expression Status Predicts a More Favorable Prognosis after Esophagectomy for Locally Advanced Thoracic Esophageal Squamous Cell Carcinoma *Current oncology (Toronto, Ont.)* 2023-05-04 [PMID: 37232814] (Immunohistochemistry, Human)

Schoniger S, Grafe H, Wipplinger M, Schoon H. Expression of Toll-like receptors 2, 4 and 6 in the equine chorioallantois. *BioMed Research International*. 2018-11-25 [PMID: 30502912] (IF/IHC)

Schoniger S, Grafe H, Schoon H. Expression of Toll-like receptors 2, 4 and 6 in different cell populations of the equine endometrium. *Veterinary Immunology and Immunopathology*. 2017-01-22 [PMID: 28242004]

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 2014-06-11 [PMID: 24986635] (Flow-CS, Human)

Details:

This citation used the PE version of this antibody.

Ganley-Leal LM, Liu X, Wetzler LM. Toll-like receptor 2-mediated human B cell differentiation Clin Immunol 2006-09-01 [PMID: 16766226] (FLOW)

Details:

This citation used the Biotin version of this antibody.

Renkonen J, Toppila-Salmi S, Joenvaara S et al. Expression of Toll-like receptors in nasal epithelium in allergic rhinitis APMIS. 2015-06-08 [PMID: 26061394] (IHC-P, Human)

Details:

TLR7 antibody (Imgenex IMG-581A) was used for IHC-P on nasal biopsies from healthy non-smoking volunteers both allergic to birch pollen and non-allergic controls. Nasal biopsies were collected before and after off-seasonal intranasal birch pollen or diluent challenge and the immunostaining assay implicated - 4um paraffin sections, antigen retrieval with Tris-HCl pH 8.5, processing on Autostainer, use of primary at 1.67 ug/mL concentration, Rabbit/Mouse REAL EnVision Detection system and Peroxidase/DAB+ detection (Fig 1, Fig 2D).

Cognasse F, Hamzeh H, Chavarin P et al. Evidence of Toll-like receptor molecules on human platelets. Immunol Cell Biol. 2005-04-01 [PMID: 15748217]

Details:

TLR2-PE (IMG-416D), TLR4-PE (IMG-417D), TLR6 (IMG-304A), TLR8-PE (IMG-321D), TLR9-PE (IMG-305D). Applications: Intracellular Flow Cytometry 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.

Yavuz S, Elbir Y, Tulunay A et al. Differential expression of toll-like receptor 6 on granulocytes and monocytes implicates the role of microorganisms in Behcet's disease etiopathogenesis. Rheumatol Int. 2008-03-01 [PMID: 17934735] (Flow Cytometry Control, Human)

Details:

Flow (intracellular), human peripheral blood mononuclear cells and granulocytes, Figs. 1, 3.

Hajishengallis G, Tapping RI, Harokopakis E et al. Differential interactions of fimbriae and lipopolysaccharide from Porphyromonas gingivalis with the Toll-like receptor 2-centred pattern recognition apparatus. Cell Microbiol. 2006-10-01 [PMID: 16984411]

Regan T, Nally K, Carmody R et al. Identification of TLR10 as a Key Mediator of the Inflammatory Response to Listeria monocytogenes in Intestinal Epithelial Cells and Macrophages. J Immunol 2013-12-15 [PMID: 24198280] (FLOW)

van den Berk LC, Jansen BJ, Siebers-Vermeulen KG et al. Toll-like receptor triggering in cord blood mesenchymal stem cells. J Cell Mol Med. 2009-09-01 [PMID: 20196781] (Flow-CS, Human)

Details:

flow (cell surface) cytometry: TLR5 (IMG-663A), TLR6 (IMG-304), TLR8 (IMG-321). Human mesenchymal stem cells, Fig 1C.

More publications at <http://www.novusbio.com/NB100-56536>

Procedures

Immunohistochemistry-Paraffin Protocol for TLR6 Antibody (NB100-56536)

Immunohistochemistry-Paraffin Embedded Sections

Antigen Unmasking:

Bring slides to a boil in 10 mM sodium citrate buffer (pH 6.0) then maintain at a sub-boiling temperature for 10 minutes. Cool slides on bench-top for 30 minutes (keep slides in the sodium citrate buffer at all times).

Staining:

1. Wash sections in deionized water three times for 5 minutes each.
2. Wash sections in PBS for 5 minutes.
3. Block each section with 100-400 ul blocking solution (1% BSA in PBS) for 1 hour at room temperature.
4. Remove blocking solution and add 100-400 ul diluted primary antibody. Incubate overnight at 4 C.
5. Remove antibody solution and wash sections in wash buffer three times for 5 minutes each.
6. Add 100-400 ul HRP polymer conjugated secondary antibody. Incubate 30 minutes at room temperature.
7. Wash sections three times in wash buffer for 5 minutes each.
8. Add 100-400 ul DAB substrate to each section and monitor staining closely.
9. As soon as the sections develop, immerse slides in deionized water.
10. Counterstain sections in hematoxylin.
11. Wash sections in deionized water two times for 5 minutes each.
12. Dehydrate sections.
13. Mount coverslips.





Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

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.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NB100-56536

| | |
|------------------|---|
| NBL1-16955 | TLR6 Overexpression Lysate |
| NBP2-26219-2ug | MALP-2, TLR6 and TLR2 ligand |
| HAF007 | Goat anti-Mouse IgG Secondary Antibody [HRP] |
| NB720-B | Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin] |
| NBP1-97005-0.5mg | Mouse IgG1 Isotype Control (MG1) |

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 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NB100-56536

Earn gift cards/discounts by submitting a publication using this product:

www.novusbio.com/publications

