Product Datasheet

TLR2 Antibody (T2.5)
NBP2-30097-50ug

Unit Size: 50 ug

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

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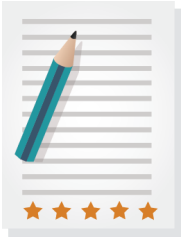
Publications: 4

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP2-30097

Updated 9/9/2025 v.20.1



NBP2-30097-50ug

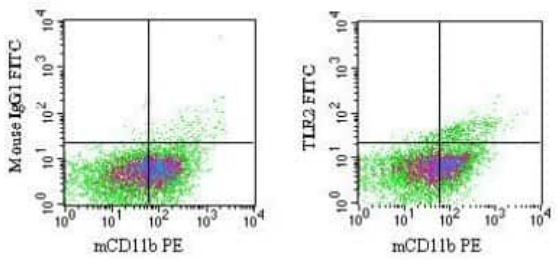
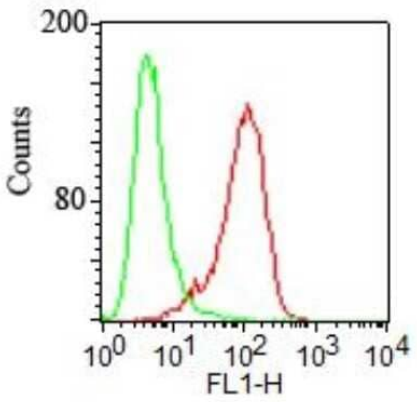
TLR2 Antibody (T2.5)

Product Information	
Unit Size	50 ug
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	T2.5
Preservative	0.05% Sodium Azide
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS containing 0.05% BSA

Product Description	
Description	Novus Biologicals Mouse TLR2 Antibody (T2.5) (NBP2-30097) is a monoclonal antibody validated for use in IHC, Flow and IP. Anti-TLR2 Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	7097
Gene Symbol	TLR2
Species	Human, Mouse
Immunogen	This antibody was raised against the extracellular domain of mouse TLR2.

Product Application Details	
Applications	Flow Cytometry, Flow (Cell Surface), Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation
Recommended Dilutions	Flow Cytometry 0.25 - 1.0ug 10^6 cells, Immunohistochemistry 1:10-1:500, Immunoprecipitation 1:10-1:500, Immunohistochemistry-Frozen 1:10-1:500, Flow (Cell Surface)
Application Notes	Use in Flow-cell surface reported in scientific literature (PMID 19091080)

Images

Flow (Cell Surface): TLR2 Antibody (T2.5) [NBP2-30097] - Analysis using the FITC conjugate of NBP2-30097. Staining of TLR2 in 10^6 mouse bone marrow cells using 0.5 ug of NBP2-30096, 0.25 ug of anti-mouse CD11b, and 0.5 ug of isotype control.	
Flow Cytometry: TLR2 Antibody (T2.5) [NBP2-30097] - Analysis using the FITC conjugate of NBP2-30097. Surface staining of stable HEK293/hTLR2 cells (IML-202, red) and vector control cells (IML-200, green) using TLR2 antibody at 1 ug/10^6 cells.	

Publications

Xu X, Yasuda M, Nakamura-Tsuruta S et al. Beta-Glucan from Lentinus edodes inhibits nitric oxide and tumor necrosis factor-alpha production and phosphorylation of mitogen-activated protein kinases in lipopolysaccharide-stimulated murine RAW 264.7 macrophages. J Biol Chem. 2012-01-06 [PMID: 22102286]

Details:
TLR2/CD282 (IMG-6320A). FA: TLR2/CD282 (IMG-6320E) was added to murine RAW 264.7 cell line and then stimulated with LPS and LNT-S then media was assayed for inhibition of nitric oxide (NO). Read out was performed using surface plasma resonance (SPR), see paper for details, Fig 4D.

Bansal K, Elluru SR, Narayana Y et al. PE_PGRS antigens of Mycobacterium tuberculosis induce maturation and activation of human dendritic cells. J Immunol. 2010-04-01 [PMID: 20176745]

Details:
The following antibodies were used for WB in Fig 4B, 4C using HEK-293 cells transiently transfected with TLR2 or TLR2 dominant negative constructs: 1. TLR1 (IMG-5012), 2. TLR2 IMG-(6320A), 3. TLR4 (IMG-577), 4.TLR6 (IMG-527).Note: TLR2 was transfected validated in Fig 4B.

Link A, Selejan S, Maack C et al. Phosphodiesterase 4 inhibition but not beta-adrenergic stimulation suppresses tumor necrosis factor-alpha release in peripheral blood mononuclear cells in septic shock. Crit Care. 2008-01-01 [PMID: 19091080]

Details:
TLR4/CD284 (IMG-5031C): Flow (cell surface), human CD14+ monocytes derived from healthy donors stimulated with increasing concentrations of LPS (lipopolysaccharide). 2. TLR2/CD282 (IMG-6320C): Flow (cell surface), human CD14+ monocytes derived from healthy donors stimulated with increasing concentrations of SEB (Staphylococcus aureus enterotoxin).

Shahrara S, Pickens SR, Dorfleutner A et al. IL-17 induces monocyte migration in rheumatoid arthritis. J Immunol. 2009-03-15 [PMID: 19265168] (FLOW, Mouse)

Details:
FA (neutralization), mouse monocytes, Fig. 6E.

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Products Related to NBP2-30097-50ug

NBP2-25297	Pam3CSK4, TLR1 and TLR2 Ligand
NBP2-29331	TIRAP (TLR2 and TLR4) Inhibitor Peptide Set
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.

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