

Product Datasheet

TLR7 Antibody (4G6) [PE] NBP2-27251

Unit Size: 0.1 ml

Store at 4C. Do not freeze.

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Publications: 3

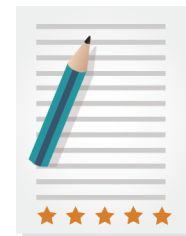
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NBP2-27251

TLR7 Antibody (4G6) [PE]

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	4G6
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Conjugate	PE
Purity	Protein G purified
Buffer	PBS

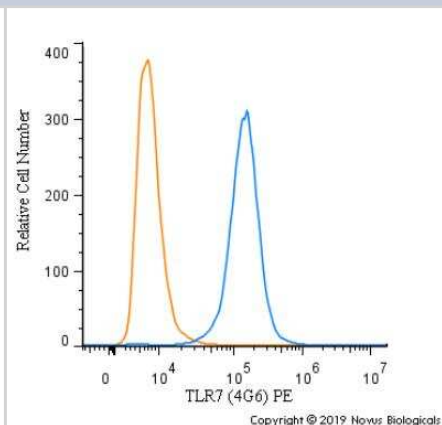
Product Description	
Host	Mouse
Gene ID	51284
Gene Symbol	TLR7
Species	Human, Mouse
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 24126361)
Immunogen	A partial human TLR7 recombinant protein (amino acids 562-839) was used as the immunogen.

Product Application Details	
Applications	Western Blot, Flow Cytometry, Knockdown Validated
Recommended Dilutions	Western Blot, Flow Cytometry 1ul/1 million cells, Knockdown Validated
Application Notes	Optimal dilution of this antibody should be experimentally determined.

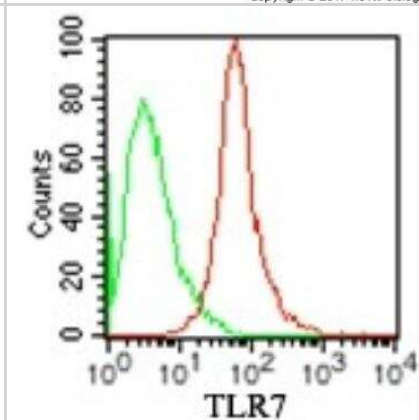


Images

Flow Cytometry: TLR7 Antibody (4G6) [PE] [NBP2-27251] - An intracellular stain was performed on THP-1 cells with TLR7 (4G6) antibody NBP2-27251 (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 2.5 ug/mL for 30 minutes at room temperature. Both antibodies were conjugated to Phycoerythrin.



Flow Cytometry: TLR7 Antibody (4G6) [PE] [NBP2-27251] - Intracellular analysis of TLR7 in 10^6 human BDCM cells (red) and 0.5 ug of mouse IgG1 isotype control (green). this antibody was used for this test.



Publications

Brown GJ, CaNete PF, Wang H Et al. TLR7 gain-of-function genetic variation causes human lupus Nature 2022-04-28 [PMID: 35477763] (FLOW, Human)

Details:

Citation using the PE version of this antibody.

Lehmann SM, Kruger C, Park B et al. An unconventional role for miRNA: let-7 activates Toll-like receptor 7 and causes neurodegeneration. Nat Neurosci. 2012-06-01 [PMID: 22610069]

Chauhan SK, Singh VV, Rai R et al. Distinct autoantibody profiles in systemic lupus erythematosus patients are selectively associated with TLR7 and TLR9 upregulation. J Clin Immunol. 2013-07-01 [PMID: 23564191] (WB)

Details:

PBLs (WB) or B-cells (Flow intracellular) from SLE patients or controls: 1. TLR7 mAb clone IMG4G6 (IMG-6675A): WB (Figs 2a, 2c).



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Products Related to NBP2-27251

NBP2-26228-1mg	Imiquimod, TLR7 ligand
NBP1-43319PE-0.5ml	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1) [PE]
NBP2-25274APC	TLR7 Antibody (4G6) [Allophycocyanin]
NBP2-24906PEP	TLR7 Antibody Blocking Peptide

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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