

Product datasheet for TA337157

TLR7 Mouse Monoclonal Antibody [Clone ID: 4G6]

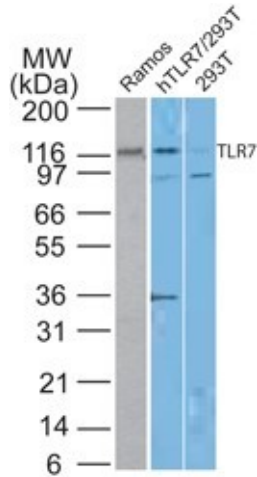
Product data:

Product Type:	Primary Antibodies
Clone Name:	4G6
Applications:	FC, WB
Recommend Dilution:	WB: 10ug/ml~, FC: 1-2ug/10 ⁶ cells
Reactivity:	Human, Mouse
Host:	Mouse
Clonality:	Monoclonal
Immunogen:	A partial human TLR7 recombinant protein (amino acids 562-839) was used as the immunogen. 277 amino acid (AA 562- 839)~
Formulation:	PBS containing 0.05% BSA, 0.05% Sodium Azide. Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Concentration:	0.5 mg/ml
Purification:	Protein G purified
Gene Name:	toll like receptor 7
Database Link:	NP_057646 Entrez Gene 170743 MouseEntrez Gene 51284 Human
Background:	TLR7 is a 1049 amino acid long highly conserved membrane protein belonging to the Toll-like receptor (TLR) family with 27 LRR (leucine-rich) repeats and a TIR domain. It plays a fundamental role in pathogen recognition and activation of innate immunity. TLR7 is activated by infections with single-stranded RNA viruses, including influenza virus and vesicular stomatitis virus (VSV). It is predominantly expressed in lung, placenta, and spleen, and lies in close proximity to another family member, TLR8. It acts via MyD88 and TRAF6, leading to NF-kappaB activation, cytokine secretion and the inflammatory response. They recognize pathogen-associated molecular patterns (PAMPs) that are expressed on infectious agents, and mediate the production of cytokines necessary for the development of effective immunity.
Synonyms:	TLR7-like
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Toll-like receptor signaling pathway

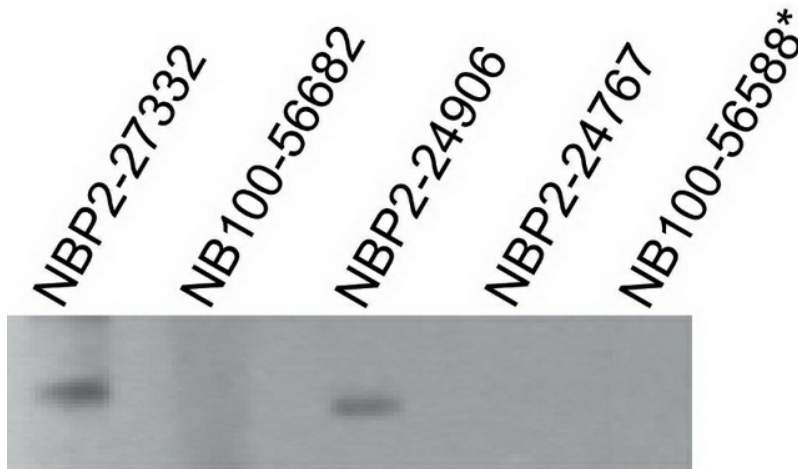


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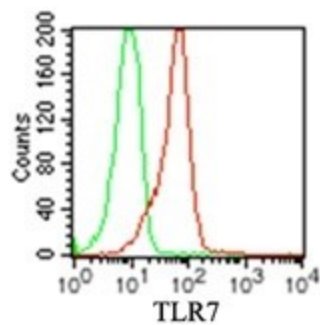
Product images:



Western Blot: TLR7 Antibody (4G6) TA337157 - Analysis of human TLR7 antibody in Ramos and transfected 293T lysate using TLR7 monoclonal antibody at 10 ug/ml.



Western Blot: TLR7 Antibody (4G6) TA337157 - Western Blot: TLR7 Antibody (4G6) TA337157 - TLR7 antibodies tested at 2 ug/ml on recombinant partial hTLR7 protein (amino acids 562-839). NB100-56682 and NBP2-24767 immunogen sequences are not present in r



Flow Cytometry: TLR7 Antibody (4G6) TA337157 - Analysis of TLR7 in human monocytes using 2 ug of TLR7 monoclonal antibody (red) and 2 ug of mouse IgG1 isotype control antibody (green,). TLR intracellular flow kit was used for this test, and an anti-mou