

Product Name: TLR5 (13A4) Rabbit Monoclonal Antibody
Catalog #: AMRe18989

Summary

Production Name	TLR5 (13A4) Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
Purification	Affinity purification

Immunogen

Gene Name	TLR5
Alternative Names	SLEB1; TIL3; Tlr5; Toll like receptor 5 precursor;
Gene ID	7100.0
SwissProt ID	O60602.

Application

Dilution Ratio	WB 1:500-1:2000
Molecular Weight	98kDa

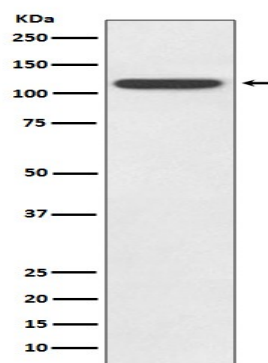
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Background

Six human homologs of the Drosophila Toll receptor were initially identified based on their sequence similarities and designated toll-like receptors (TLR). Participates in the innate immune response to microbial agents. Mediates detection of bacterial flagellins. Acts via MYD88 and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response. Pattern recognition receptor (PRR) located on the cell surface that participates in the activation of innate immunity and inflammatory response (PubMed: [11323673](http://www.uniprot.org/citations/11323673) target="_blank">11323673, PubMed: [18490781](http://www.uniprot.org/citations/18490781) target="_blank">18490781). Recognizes small molecular motifs named pathogen-associated molecular pattern (PAMPs) expressed by pathogens and microbe-associated molecular patterns (MAMPs) usually expressed by resident microbiota (PubMed: [29934223](http://www.uniprot.org/citations/29934223) target="_blank">29934223). Upon ligand binding such as bacterial flagellins, recruits intracellular adapter proteins MYD88 and TRIF leading to NF- kappa-B activation, cytokine secretion and induction of the inflammatory response (PubMed: [20855887](http://www.uniprot.org/citations/20855887) target="_blank">20855887, PubMed: [11489966](http://www.uniprot.org/citations/11489966) target="_blank">11489966). Plays thereby an important role in the relationship between the intestinal epithelium and enteric microbes and contributes to the gut microbiota composition throughout life (By similarity).

Research Area

Image Data



Western blot analysis of TLR5 expression in HeLa cell lysate.

Note

For research use only.