



Rabbit Anti-TLR5 antibody

SL1197R

Product Name:	TLR5
Chinese Name:	Toll样受体5抗体
Alias:	toll-like receptor 5; FLJ10052; MGC126430; MGC126431; TIL 3; TIL3; TLR 5; Toll like receptor 5; Toll like receptor 5 precursor; Toll/interleukin 1 receptor like protein 3;CD285; TLR5_MOUSE.
文献引用 PubMed :	<p>Specific References(4)SL1197R has been referenced in 4 publications.</p> <p>[IF=3.42]Hao, Jing, et al. "rFliC prolongs allograft survival in association with the activation of recipient Tregs in a TLR5-dependent manner." Cellular & molecular immunology (2013).WB;Mouse. PubMed:24097035</p> <p>[IF=3.70]Sun, Hukui, et al. "Non-invasive imaging of allogeneic transplanted skin graft by 131I-anti-TLR5 mAb." Journal of Cellular and Molecular Medicine (2014).IHC-P;Mouse. PubMed:25283154</p> <p>[IF=2.25]Sun, H., et al. "In vivo Toll-like receptor 5 (TLR5) imaging with radiolabeled anti-TLR5 monoclonal antibody in rapamycin-treated mouse allogeneic skin transplantation model." Transplant Infectious Disease (2015).IHC-P;Mouse. PubMed:25573439</p> <p>[IF=4.26]Li, Chengcheng, et al. "Phycocyanin attenuates pulmonary fibrosis via the TLR2-MyD88-NF-κB signaling pathway." Scientific Reports 7 (2017).WB;Mouse. PubMed:28725012</p>
Organism Species:	Rabbit
Clonality:	Polyclonal

React Species:	Human,Mouse,Rat,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	95kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from mouse TLR5:701-810/873
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	<p>The Toll like receptor (TLR) family in mammal comprises a family of transmembrane proteins characterized by multiple copies of leucine rich repeats in the extracellular domain and IL1 receptor motif in the cytoplasmic domain. Like its counterparts in Drosophila, TLRs signal through adaptor molecules and could constitute an important and unrecognized component of innate immunity in humans. The TRL family is a phylogenetically conserved mediator of innate immunity that is essential for microbial recognition. TLRs characterized so far activate the MyD88/interleukin 1 receptor-associated kinase (IRAK) signaling pathway. Toll-like receptor 5 (TLR5) expression is upregulated following exposure to bacteria or to the TLR5 agonist, flagellin. Gram-negative bacteria, stimulate monocyte/macrophage cells in a TLR5-specific, CD14-independent manner. The TLR5 receptor thus appears to be the principal means by which the innate immune system recognizes flagellated bacterial pathogens.</p> <p>Function: 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 (By similarity).</p> <p>Subunit: Homodimer both in the absence and presence of ligand. Binds MYD88 via their respective TIR domains (By similarity).</p> <p>Subcellular Location: Membrane; Single-pass type I membrane protein (By similarity).</p> <p>Tissue Specificity: Highly expressed in liver. Detected in lung and at very low levels in most other tissues.</p>

Post-translational modifications:

Phosphorylated at Tyr-799 upon flagellin binding; required for signaling (By similarity).

Similarity:

Belongs to the Toll-like receptor family.
Contains 16 LRR (leucine-rich) repeats.
Contains 1 TIR domain.

SWISS:

Q9JLF7

Gene ID:

53791

Database links:

[Entrez Gene: 7100](#)Human

[Entrez Gene: 53791](#)Mouse

[Omim: 603031](#)Human

[SwissProt: O60602](#)Human

[SwissProt: Q9JLF7](#)Mouse

[Unigene: 604542](#)Human

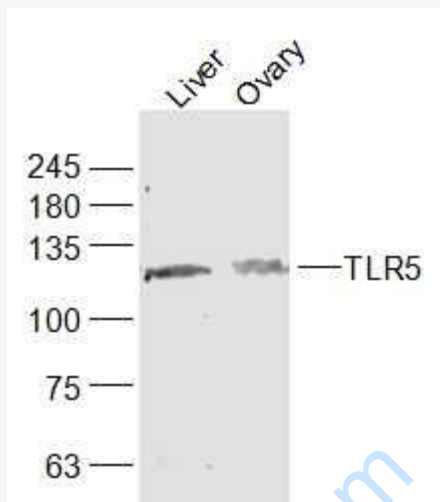
[Unigene: 116894](#)Mouse

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Toll样受体5可在单核细胞、未成熟树突状细胞及epithelial cells表达,可能是一种参与免疫应答的受体,其具体作用尚不清楚。

TLR5可辨认鞭毛蛋白(flagellin),此种蛋白可组成鞭毛,与细菌泳动有关。



Sample:

Liver (Mouse) Lysate at 40 ug

Ovary (Mouse) Lysate at 40 ug

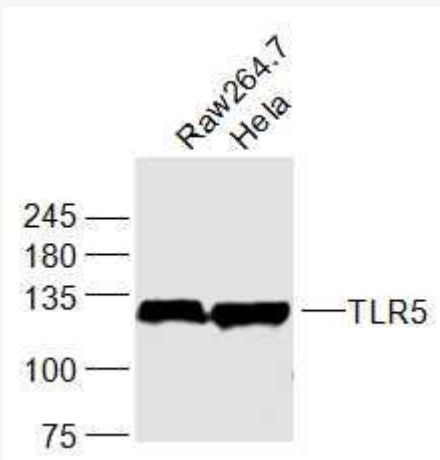
Primary: Anti-TLR5 (SL1197R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 95 kD

Observed band size: 130 kD

Picture:



Sample:

Raw264.7(Mouse) Cell Lysate at 30 ug

Hela(Human) Cell Lysate at 30 ug

Primary: Anti-TLR5 (SL1197R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 95 kD

Observed band size: 130 kD

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