

Polyclonal Antibody to TLR11 - Purified

Alternate names: Gm287, Toll-like receptor 11

Catalog No.: SP7359P

Quantity: 0.1 mg

Concentration: 0.5 mg/ml

Background: 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 IL-1 receptor motif in the cytoplasmic domain. Like its counterparts in Drosophila, TLRs signal through adaptor molecules (1). The TLR family is a phylogenetically conserved mediator of innate immunity that is essential for microbial recognition (2). TLR11 does not respond to known TLR ligands but instead respond specifically to uropathogenic bacteria. TLR11-deficient mice are highly susceptible to infection of the kidneys by uropathogenic bacteria, indicating that TLR11 may play a protective role in preventing infection of internal organs of the urogenital system.

Uniprot ID: [Q6R5P0](#)

NCBI: [NP_991388.1](#)

GeneID: [239081](#)

Host: Rabbit

Immunogen: A synthetic peptide within amino acid residues 911-926 of mouse TLR11

AA Sequence:

CEQLKRRLSKAGQERD

Remarks: Genbank accession no. NP_991388

Format: **State:** Liquid Ig fraction

Purification: Protein G chromatography

Buffer System: PBS containing 0.2% Gelatin and 0.05% Sodium Azide as preservative.

Applications: Flow Cytometry (2-5 µg / 10e6 cells).

Western blot (1-3 µg/ml).

Recommended Positive Control: mouse kidney tissue lysate.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: This antibody is specific for TLR11.

Species: Mouse and Rat.

Other species not tested.

Storage: Store the antibody at 2-8°C for one month or (in aliquots) at -20°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

- General Readings:**
1. Muzio M, Natoli G, Sacconi S, Levrero M, and Mantovani A. J. Exp. Med. 187: 2097-2101 (1998).
 2. Medzhitov R and Janeway CA. Cell 91: 295-298 (1997).
 3. Tabet, K., Georgel, P., Janssen, E., Du, X., Hoebe, K., Crozat, K., Mudd, S., Shamel, L., Sovath, S., Goode, J., Alexopoulou, L., Flavell, R.A. and Beutler, B. Proc. Natl. Acad. Sci. U.S.A. 101 (10), 3516-3521 (2004).

Pictures: Western blot analysis of TLR11 in mouse kidney without (Lane 1) or with (Lane 2) blocking peptide.

