

TLR5 Blocking Peptide
Catalog # PBV10230b**Specification**

TLR5 Blocking Peptide - Product Information

Primary Accession	O9JLF7
Other Accession	NP_058624
Gene ID	53791
Calculated MW	97627

TLR5 Blocking Peptide - Additional Information**Gene ID** 53791**Application & Usage**

The peptide is used for blocking antibody activity of TLR5. It usually blocks the antibody activity completely in Western blot analysis by incubating the peptide with equal volume of antibody for 30-60 minutes at 37°C.

Other Names

Toll-like receptor 5, Tlr5

Target/Specificity

TLR5

Formulation

50 µg (0.5 mg/ml) in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA and 0.02% thimerosal.

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

TLR5 Blocking Peptide is for research use only and not for use in diagnostic or therapeutic procedures.

TLR5 Blocking Peptide - Protein Information**Name** Tlr5**Function**

Pattern recognition receptor (PRR) located on the cell surface that participates in the activation of innate immunity and inflammatory response. Recognizes small molecular motifs named pathogen-associated molecular pattern (PAMPs) expressed by pathogens and microbe-associated

molecular patterns (MAMPs) usually expressed by resident microbiota. 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. Plays thereby an important role in the relationship between the intestinal epithelium and enteric microbes and contributes to the gut microbiota composition throughout life.

Cellular Location

Membrane; Single-pass type I membrane protein

Tissue Location

Highly expressed in liver (PubMed:30089902). Detected in lung and at very low levels in most other tissues

TLR5 Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

TLR5 Blocking Peptide - Images