

TLR8 Blocking Peptide
Catalog # PBV10231b**Specification**

TLR8 Blocking Peptide - Product Information

Primary Accession	P58682
Other Accession	NP_573475
Gene ID	170744
Calculated MW	119358

TLR8 Blocking Peptide - Additional Information**Gene ID** 170744**Application & Usage**

The peptide is used for blocking antibody activity of TLR8. 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 8, CD288, Tlr8

Target/Specificity

TLR8

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**

TLR8 Blocking Peptide is for research use only and not for use in diagnostic or therapeutic procedures.

TLR8 Blocking Peptide - Protein Information**Name** Tlr8**Function**

Endosomal receptor that plays a key role in innate and adaptive immunity. Controls host immune response against pathogens through recognition of RNA degradation products specific to microorganisms that are initially processed by RNASET2. Upon binding to agonists, undergoes

dimerization that brings TIR domains from the two molecules into direct contact, leading to the recruitment of TIR- containing downstream adapter MYD88 through homotypic interaction. In turn, the Myddosome signaling complex is formed involving IRAK4, IRAK1, TRAF6, TRAF3 leading to activation of downstream transcription factors NF-kappa-B and IRF7 to induce pro-inflammatory cytokines and interferons, respectively.

Cellular Location

Endosome membrane {ECO:0000250|UniProtKB:Q9NR97}; Single-pass type I membrane protein {ECO:0000250|UniProtKB:Q9NR97} Note=Endosomal localization confers distinctive proteolytic processing {ECO:0000250|UniProtKB:Q9NR97}

TLR8 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](#)

TLR8 Blocking Peptide - Images