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MyD88 Blocking Peptide
Catalog # PBV10098b

Specification

MyD88 Blocking Peptide - Product Information

Primary Accession	Q6Y1S1
Gene ID	301059
Calculated MW	33856

MyD88 Blocking Peptide - Additional Information

Gene ID 301059

Application & Usage	**The peptide is used for blocking the antibody activity of MyD88. 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
Myeloid differentiation primary response protein MyD88, Myd88

Target/Specificity
MyD88

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
MyD88 Blocking Peptide is for research use only and not for use in diagnostic or therapeutic procedures.

MyD88 Blocking Peptide - Protein Information

Name Myd88

Function
Adapter protein involved in the Toll-like receptor and IL-1 receptor signaling pathway in the innate immune response. Acts via IRAK1, IRAK2, IRF7 and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response. Increases IL-8 transcription. Involved in IL-18-mediated signaling pathway. Activates IRF1 resulting in its rapid migration into the nucleus

to mediate an efficient induction of IFN-beta, NOS2/INOS, and IL12A genes. Upon TLR8 activation by GU-rich single-stranded RNA (GU-rich RNA) derived from viruses, induces IL1B release through NLRP3 inflammasome activation (By similarity). MyD88-mediated signaling in intestinal epithelial cells is crucial for maintenance of gut homeostasis and controls the expression of the antimicrobial lectin REG3G in the small intestine (By similarity).

Cellular Location
Cytoplasm {ECO:0000250|UniProtKB:Q99836}. Nucleus {ECO:0000250|UniProtKB:Q99836}

MyD88 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 Cytomety
- Cell Culture

MyD88 Blocking Peptide - Images