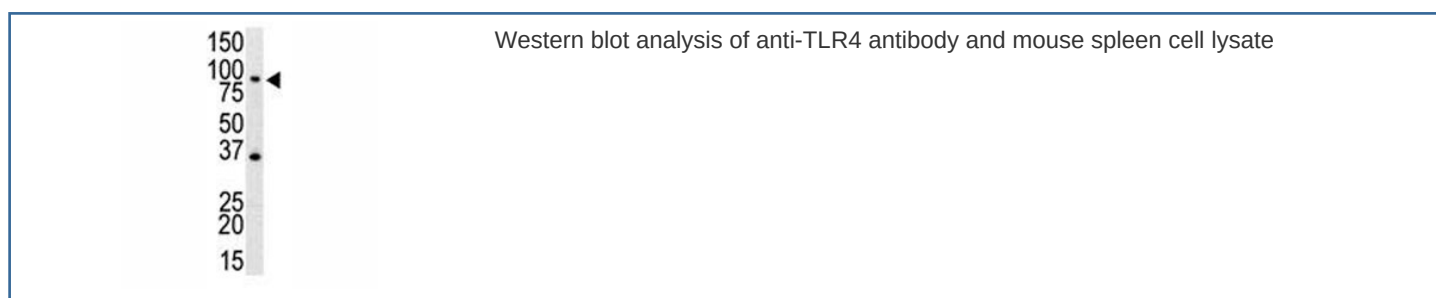


Anti-TLR4 Antibody (F44373)

Catalog No.	Formulation	Size
F44373-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F44373-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

[Bulk quote request](#)

Availability	1-3 business days
Species Reactivity	Mouse
Format	Purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	Q9QUK6
Applications	Western Blot : 1:1000
Limitations	This anti-TLR4 antibody is available for research use only.



Description

TLR4, a type I membrane protein that belongs to the Toll-like receptor family, cooperates with LY96 and CD14 to mediate the innate immune response to bacterial lipopolysaccharide (LPS). It acts via MyD88, TIRAP and TRAF6, leading to NF- κ -B activation, cytokine secretion and the inflammatory response. TLR4 belongs to the lipopolysaccharide (LPS) receptor, a multi-protein complex containing at least CD14, LY96 and TLR. TLR4 binds to LY96 via the extracellular domain, and to MyD88 and TIRAP via their respective TIR domains. The protein contains 19 leucine-rich (LRR) repeats, and it is highly expressed in heart, spleen, lung and muscle. Lower levels are found in liver and kidney. Interstrain analyses reveal that TLR4 is a polymorphic protein and that the extracellular domain is far more variable than the cytoplasmic domain, which is variable at the C-terminal.

Application Notes

Titration of the anti-TLR4 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 25-55 from the mouse protein was used as the immunogen for this anti-TLR4 antibody.

Storage

Aliquot the anti-TLR4 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.