

Anti -TLR4 Rabbit pAb

GB11519 100µL -20°C

Product Information

Description	TLR4 rabbit polyclonal antibody
Protein full name	Toll-like receptor 4
Synonyms	TLR4, ARMD10, CD284, TLR-4, TOLL, toll like receptor 4
Immunogen	KLH conjugated Synthetic peptide corresponding to Mouse TLR4.
Isotype	IgG
Purity	Affinity purification
Subcellular location	Membrane
Predicted MW.	95 KDa
Observed MW.	95 KDa
Uniprot ID	Q9QUK6, Q9QX05, O00206

Applications

Applications	Species	Dilution	Positive Sample
WB	Human, Mouse, Rat	1: 500-1: 1000	spleen, lung, thymus
IHC/IF	Human, Mouse, Rat	1: 300-1: 2000	Immune spleen, lymph node, spleen, spleen+LPS, tonsil

Background

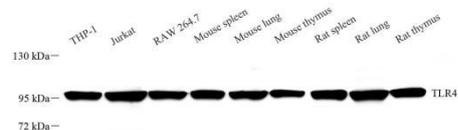
A member of the toll-like receptor (TLR) family, which plays a fundamental role in pathogen recognition and activation of innate immunity. It cooperates with LY96 (also referred as MD-2) and CD14 to mediate in signal transduction events induced by lipopolysaccharide (LPS) found in most gram-negative bacteria. Mutations in this gene have been associated with differences in LPS responsiveness. TLR4 signaling responds to signals by forming a complex using an extracellular leucine-rich repeat domain (LRR) and an intracellular toll/interleukin-1 receptor (TIR) domain.

Storage

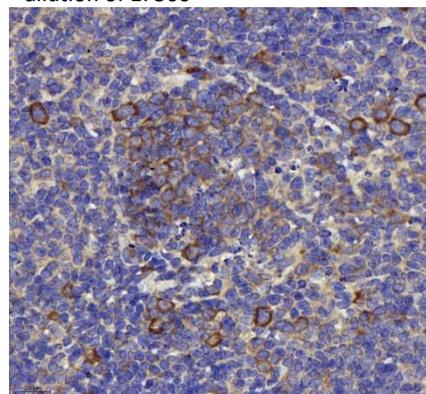
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Storage Buffer	PBS with 0.02% sodium azide, 100 µg/ml BSA and 50% glycerol.

NOTE: 1. This product is intended for research only.
2. This product is recommended to dilute with the Primary Antibody Dilution Buffer.

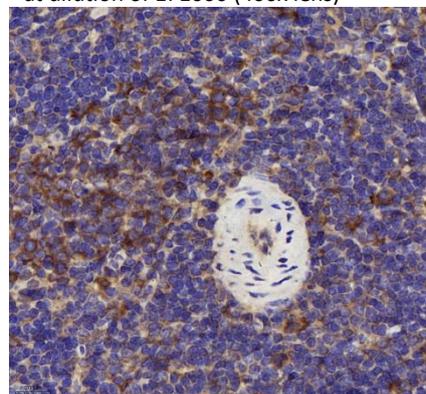
Images



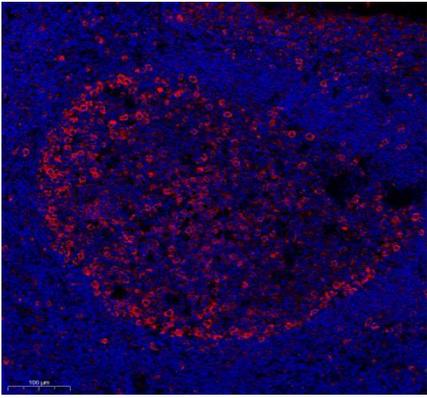
Western blot analysis of TLR4 (GB11519) at dilution of 1: 500



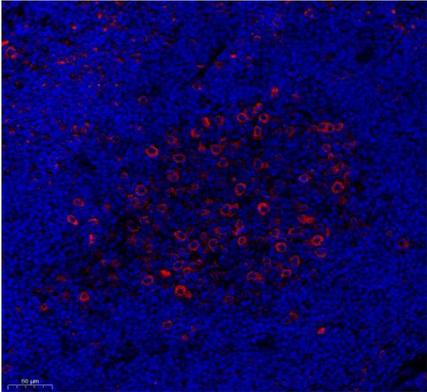
Immunohistochemistry of paraffin embedded mouse immune spleen using TLR4 (GB11519) at dilution of 1: 1000 (400x lens)



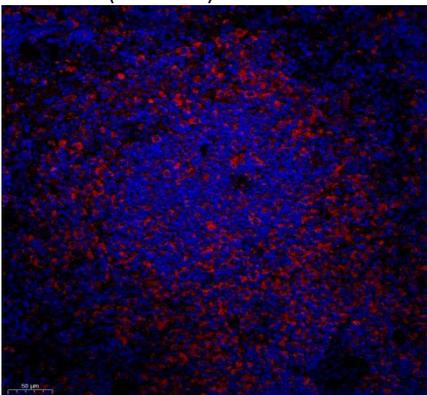
Immunohistochemistry of paraffin embedded mouse immune spleen using TLR4 (GB11519) at dilution of 1: 1000 (400x lens)



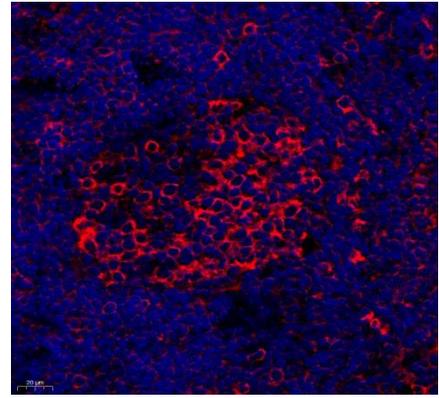
Immunofluorescence of paraffin embedded human tonsil using TLR4 (GB11519) at dilution of 1: 300 (140x lens)



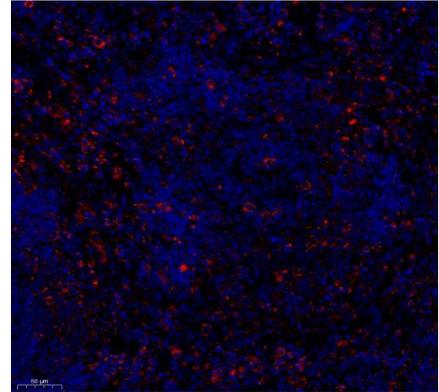
Immunofluorescence of paraffin embedded human tonsil using TLR4 (GB11519) at dilution of 1: 500 (200x lens)



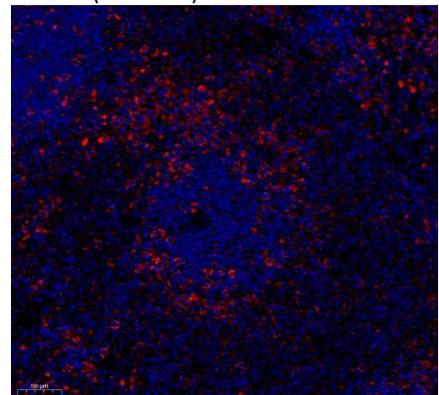
Immunofluorescence of paraffin embedded mouse spleen+LPS using TLR4 (GB11519) at dilution of 1: 300 (200x lens)



Immunofluorescence of paraffin embedded rat lymph node using TLR4 (GB11519) at dilution of 1: 300 (400x lens)



Immunofluorescence of paraffin embedded rat spleen using TLR4 (GB11519) at dilution of 1: 300 (200x lens)



Immunofluorescence of paraffin embedded rat spleen+LPS using TLR4 (GB11519) at dilution of 1: 300 (200x lens)