

Biotin Anti-TLR4 antibody [MTS510] ab9105

2 References

概述	
产品名称	生物素Anti-TLR4抗体[MTS510]
描述	生物素大鼠单克隆抗体[MTS510] to TLR4
宿主	Rat
偶联物	Biotin
特异性	Only detects murine TLR-4 when complexed to MD-2. This antibody has been found to coprecipitate MD-2 (30kDa) with TLR4 (100kDa).
经测试应用	适用于: IHC-Fr, IP, Flow Cyt, Functional Studies
种属反应性	与反应: Mouse
免疫原	Tissue, cells or virus corresponding to TLR4. Mouse Ba/F3 cells expressing mouse TLR4
常规说明	<p>Ab9105 is a TLR4 function blocking antibody that is useful for studies on the role of TLR4 as a receptor for LPS induced cytokine production by TLR4 bearing cells.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>
性能	
形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	Preservative: 0.02% Sodium azide Constituents: PBS, 1% BSA
纯度	Protein G purified
纯化说明	0.2 µm filtered
Primary antibody说明	Ab9105 is a TLR4 function blocking antibody that is useful for studies on the role of TLR4 as a

	receptor for LPS induced cytokine production by TLR4 bearing cells.
克隆	单克隆
克隆编号	MTS510
同种型	IgG2a

应用

The Abpromise guarantee **Abpromise™** 承诺保证使用ab9105于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IHC-Fr		Use at an assay dependent concentration.
IP		Use at an assay dependent concentration.
Flow Cyt		Use at an assay dependent concentration. ab18445 - Rat monoclonal IgG2a, is suitable for use as an isotype control with this antibody.
Functional Studies		Use at an assay dependent concentration.

靶标

功能	Cooperates with LY96 and CD14 to mediate the innate immune response to bacterial lipopolysaccharide (LPS). Acts via MYD88, TIRAP and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response. Also involved in LPS-independent inflammatory responses triggered by Ni(2+). These responses require non-conserved histidines and are, therefore, species-specific.
组织特异性	Highly expressed in placenta, spleen and peripheral blood leukocytes. Detected in monocytes, macrophages, dendritic cells and several types of T-cells.
疾病相关	Genetic variation in TLR4 is associated with age-related macular degeneration type 10 (ARMD10) [MIM:611488]. ARMD is a multifactorial eye disease and the most common cause of irreversible vision loss in the developed world. In most patients, the disease is manifest as ophthalmoscopically visible yellowish accumulations of protein and lipid that lie beneath the retinal pigment epithelium and within an elastin-containing structure known as Bruch membrane.
序列相似性	Belongs to the Toll-like receptor family. Contains 18 LRR (leucine-rich) repeats. Contains 1 LRRCT domain. Contains 1 TIR domain.
结构域	The TIR domain mediates interaction with NOX4.
翻译后修饰	N-glycosylated. Glycosylation of Asn-526 and Asn-575 seems to be necessary for the expression of TLR4 on the cell surface and the LPS-response. Likewise, mutants lacking two or more of the other N-glycosylation sites were deficient in interaction with LPS.
细胞定位	Membrane.

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