

Anti-TLR4 antibody [HTA125] - Low endotoxin, Azide free ab171260

3 References **1 图像**

概述

产品名称	Anti-TLR4抗体[HTA125] - Low endotoxin, Azide free
描述	小鼠单克隆抗体[HTA125] to TLR4 - Low endotoxin, Azide free
宿主	Mouse
经测试应用	适用于: Flow Cyt
种属反应性	与反应: Human
免疫原	The details of the immunogen for this antibody are not available.
阳性对照	Human peripheral blood leukocytes
常规说明	<p>ab171260 has been reported for use in flow cytometric analysis. It has also been reported in blocking of LPS-induced cytokine production. For detection of peripheral monocytes, a three step staining protocol is recommended using purified anti-human TLR4 followed by biotin anti-mouse IgG and streptavidin-PE.</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). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
存储溶液	pH: 7.2 Constituent: PBS
无载体	是
纯度	Protein G purified
克隆	单克隆

克隆编号	HTA125
同种型	IgG2a
轻链类型	kappa

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab171260于以下的经测试应用

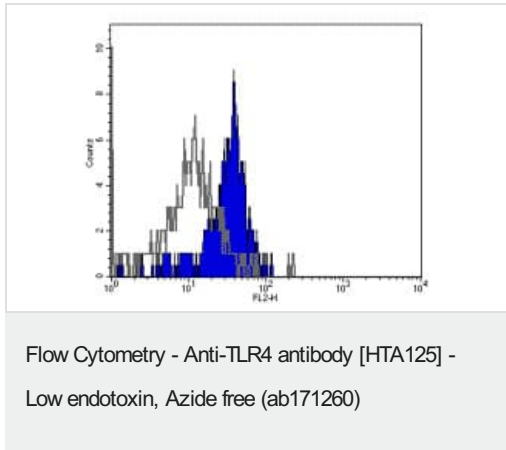
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
Flow Cyt		<p>Use 1µg for 10⁵⁻⁸ cells.</p> <p>A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. It is highly recommended that for optimal staining of TLR4, whole blood be stained using the LWB protocol rather than Ficoll-gradient prepared PBMCs. The use of a density gradient appears to reduce the staining intensity significantly.</p>

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	<p>Belongs to the Toll-like receptor family.</p> <p>Contains 18 LRR (leucine-rich) repeats.</p> <p>Contains 1 LRRCT domain.</p> <p>Contains 1 TIR domain.</p>
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.

图片



Flow cytometric analysis of Human peripheral blood cells (right histogram) labeling TLR4 with ab171260 and Mouse IgG2a Isotype Control (left histogram). Cells in the monocyte population were used for analysis.

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