

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

[3 References](#) [画像数 1](#)

製品の概要

製品名	Anti-TLR4 antibody [HTA125] - Low endotoxin, Azide free
製品の詳細	Mouse monoclonal [HTA125] to TLR4 - Low endotoxin, Azide free
由来種	Mouse
アプリケーション	適用あり: Flow Cyt
種交差性	交差種: Human
免疫原	The details of the immunogen for this antibody are not available.
ポジティブ・コントロール	Human peripheral blood leukocytes
特記事項	<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>

製品の特性

製品の状態	Liquid
保存方法	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.
バッファー	pH: 7.2 Constituent: PBS
キャリア・フリー	はい
精製度	Protein G purified
ポリ/モノ	モノクローナル

クローン名	HTA125
アイソタイプ	IgG2a
軽鎖の種類	kappa

アプリケーション

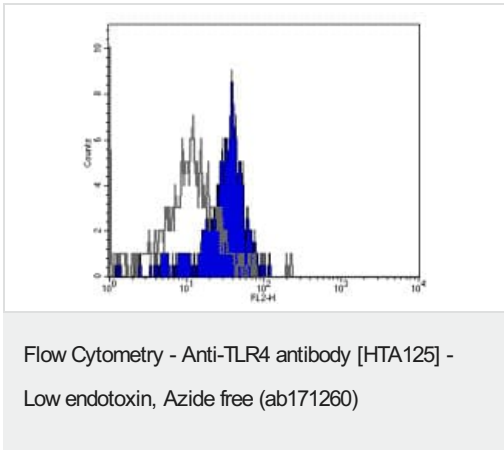
The Abpromise guarantee **Abpromise保証は、** 次のテスト済みアプリケーションにおけるab171260の使用に適用されず
 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
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>

ターゲット情報

機能	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.
組織特異性	Highly expressed in placenta, spleen and peripheral blood leukocytes. Detected in monocytes, macrophages, dendritic cells and several types of T-cells.
関連疾患	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.
配列類似性	<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>
ドメイン	The TIR domain mediates interaction with NOX4.
翻訳後修飾	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.
細胞内局在	Membrane.

画像



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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