

Product datasheet

Anti-CD14 antibody [5A3B11B5] ab36595

2 图像

概述

产品名称	Anti-CD14抗体[5A3B11B5]
描述	小鼠单克隆抗体[5A3B11B5] to CD14
经测试应用	适用于: IHC-P, ELISA, Flow Cyt
种属反应性	与反应: Human
免疫原	Ni-NTA purified recombinant human CD14 expressed in E. Coli strain BL21 (DE3).
阳性对照	Human lymph node normal tissue.

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	Preservative: 0.05% Sodium azide Constituent: PBS
纯度	Protein G purified
纯化说明	Purified from tissue culture supernatant.
克隆	单克隆
克隆编号	5A3B11B5
同种型	IgG1

应用

Our [Abpromise guarantee](#) covers the use of **ab36595** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

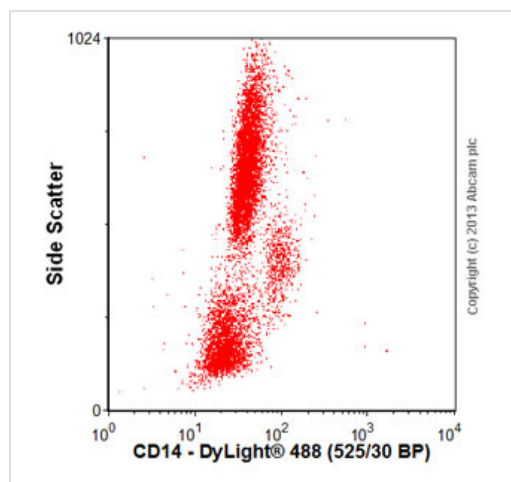
应用	Ab评论	说明
IHC-P		Use at an assay dependent concentration.
ELISA		Use at an assay dependent concentration.

应用	Ab评论	说明
Flow Cyt		Use 0.01µg for 10 ⁶ cells. ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

靶标

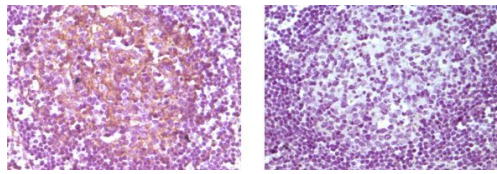
功能	Cooperates with MD-2 and TLR4 to mediate the innate immune response to bacterial lipopolysaccharide (LPS). Acts via MyD88, TIRAP and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response. Up-regulates cell surface molecules, including adhesion molecules.
组织特异性	Expressed strongly on the surface of monocytes and weakly on the surface of granulocytes; also expressed by most tissue macrophages.
序列相似性	Contains 11 LRR (leucine-rich) repeats.
翻译后修饰	N- and O- glycosylated. O-glycosylated with a core 1 or possibly core 8 glycan.
细胞定位	Cell membrane.

图片



Flow Cytometry - Anti-CD14 antibody [5A3B11B5] (ab36595)

Human peripheral blood cells stained with ab36595 (red line). Human whole blood was processed using a modified protocol based on Chow *et al*, 2005 (PMID: 16080188). In brief, human whole blood was fixed in 4% formaldehyde (methanol-free) for 10 min at 22°C. Red blood cells were then lysed by the addition of Triton X-100 (final concentration - 0.1%) for 15 min at 37°C. For experimentation, cells were treated with 50% methanol (-20°C) for 15 min at 4°C. Cells were then incubated with the antibody (ab36595, 0.01µg/1x10⁶ cells) for 30 min at 4°C. The secondary antibody used was Alexa Fluor® 488 goat anti-mouse IgG (H&L) ([ab150113](#)) at 1/2000 dilution for 30 min at 4°C. Acquisition of >30,000 total events were collected using a 20mW Argon ion laser (488nm) and 525/30 bandpass filter.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD14 antibody [5A3B11B5] (ab36595)

Ab36595 at a 1/1300 dilution (Figure 1), and normal mouse serum at a 1/20 dilution (Figure 2), staining paraffin embedded human normal lymph node by immunohistochemistry. HRP-anti-mouse was used as the secondary antibody before colour development with DAB.

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