

# FITC Anti-CD116 antibody [4H1] ab95684

[1 References](#) [2 图像](#)

### 概述

产品名称	FITC荧光Anti-CD116抗体[4H1]
描述	FITC荧光小鼠单克隆抗体[4H1] to CD116
宿主	Mouse
偶联物	FITC. Ex: 493nm, Em: 528nm
经测试应用	适用于: Flow Cyt, ICC/IF
种属反应性	与反应: Human
免疫原	Tissue, cells or virus corresponding to Human CD116. CD116-transfected COS cells.
阳性对照	Normal human peripheral blood cells/leukocytes.
常规说明	<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&amp;As</p>

### 性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C.
存储溶液	<p>pH: 7.20</p> <p>Preservative: 0.09% Sodium azide</p> <p>Constituents: 0.2% BSA, 0.87% Sodium chloride, PBS</p>
纯度	Protein G purified
克隆	单克隆
克隆编号	4H1
同种型	IgG1
轻链类型	kappa

应用

**The Abpromise guarantee**      **Abpromise™**承诺保证使用ab95684于以下的经测试应用

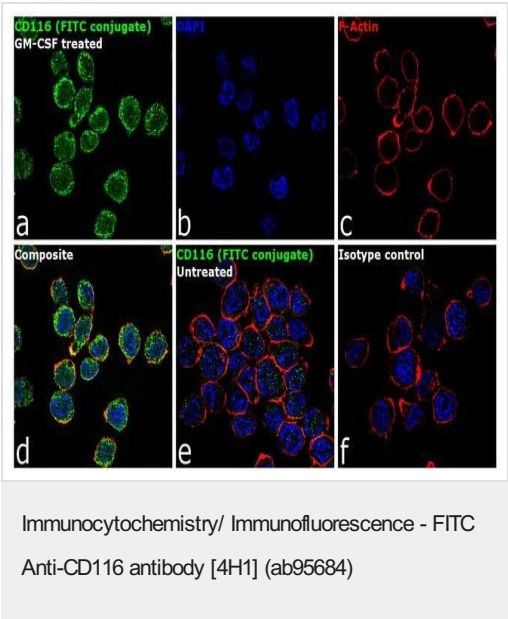
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
Flow Cyt		Use 5µl for 10 <sup>6</sup> cells. <b>ab106163</b> - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.
ICC/IF		1/100.

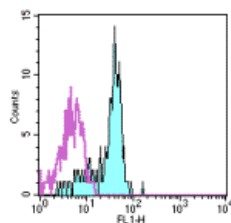
靶标

功能	Low affinity receptor for granulocyte-macrophage colony-stimulating factor. Transduces a signal that results in the proliferation, differentiation, and functional activation of hematopoietic cells.
疾病相关	Defects in CSF2RA are the cause of pulmonary surfactant metabolism dysfunction type 4 (SMDP4) [MIM:300770]. A rare lung disorder due to impaired surfactant homeostasis. It is characterized by alveolar filling with floccular material that stains positive using the periodic acid-Schiff method and is derived from surfactant phospholipids and protein components. Excessive lipoproteins accumulation in the alveoli results in severe respiratory distress.
序列相似性	Belongs to the type I cytokine receptor family. Type 5 subfamily.
结构域	The WSXWS motif appears to be necessary for proper protein folding and thereby efficient intracellular transport and cell-surface receptor binding. The box 1 motif is required for JAK interaction and/or activation.
细胞定位	Secreted and Cell membrane.

图片



Immunofluorescence analysis of CD116 was performed using 70% confluent log phase THP-1 cells treated with 10 ng of GM-CSF for 15 minutes. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 10 minutes, and blocked with 1% BSA for 1 hour at room temperature. The cells were labeled with CD116, FITC, using ab95684 at 1:100 dilution in 0.1% BSA and incubated at 4 degree Celsius overnight (Panel a: green). Nuclei (Panel b: blue) were stained with SlowFade® Gold Antifade Mountant with DAPI. F-actin (Panel c: red) was stained with Rhodamine Phalloidin (1:300). Panel d represents the merged image showing membrane localization. Panel e shows untreated cells with less membrane signal. Panel f represents the isotype control. The images were captured at 60X magnification.



Flow Cytometry - FITC Anti-CD116 antibody [4H1]  
(ab95684)

Flow cytometry staining of normal Human peripheral blood cells with Mouse IgG1 ? Isotype Control FITC (open histogram) or 20µl ab95684 (filled histogram). Cells in the monocyte gate were used for analysis.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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