

Anti-CD16 antibody [MEM-154] - BSA and Azide free ab46679

4 References **3 图像**

概述

产品名称	Anti-CD16抗体[MEM-154] - BSA and Azide free
描述	小鼠单克隆抗体[MEM-154] to CD16 - BSA and Azide free
宿主	Mouse
特异性	The antibody MEM-154 reacts with the epitope on CD16 antigen residing in proximity to FG loop (probably BC or C'E loop). CD16 is a low affinity receptor for aggregated IgG (FcγRIII antigen). MEM-154 recognizes a polymorphism of CD16a (NK cells form), it reacts well with granulocyte form (CD16b) of all subjects. The antibody blocks binding of human IgG to FcγRIII.
经测试应用	适用于: Flow Cyt
种属反应性	与反应: Human
免疫原	Tissue, cells or virus corresponding to Human CD16. Human granulocytes
阳性对照	Peripheral blood lymphocytes
常规说明	Preserved by filter sterilization. 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. 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

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.
存储溶液	pH: 7.40 Constituent: PBS
无载体	是
纯度	Protein A purified
纯化说明	Purified from hybridoma culture supernatant. Purity >95% by SDS-PAGE.

克隆	单克隆
克隆编号	MEM-154
同种型	IgG1

应用

The Abpromise guarantee

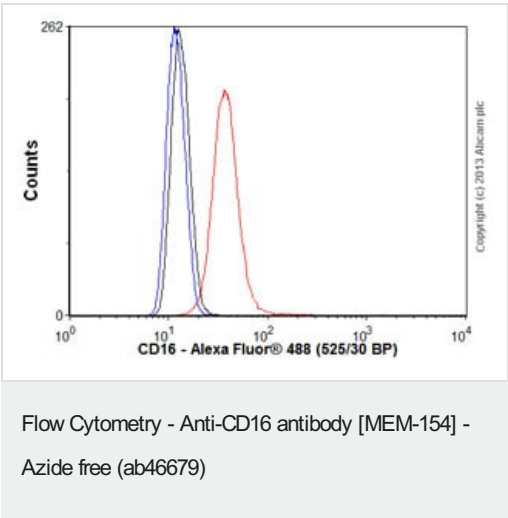
Abpromise™承诺保证使用ab46679于以下的经测试应用
 “应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
Flow Cyt		Use 1µg for 10 ⁶ cells. ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

靶标

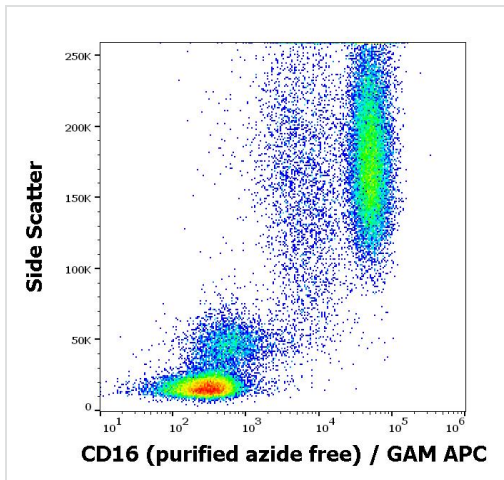
功能	Receptor for the Fc region of IgG. Binds complexed or aggregated IgG and also monomeric IgG. Mediates antibody-dependent cellular cytotoxicity (ADCC) and other antibody-dependent responses, such as phagocytosis.
组织特异性	Expressed on natural killer cells, macrophages, subpopulation of T-cells, immature thymocytes and placental trophoblasts.
序列相似性	Contains 2 Ig-like C2-type (immunoglobulin-like) domains.
翻译后修饰	Glycosylated. Contains high mannose- and complex-type oligosaccharides. The soluble form is produced by a proteolytic cleavage.
细胞定位	Cell membrane. Secreted. Exists also as a soluble receptor.

图片



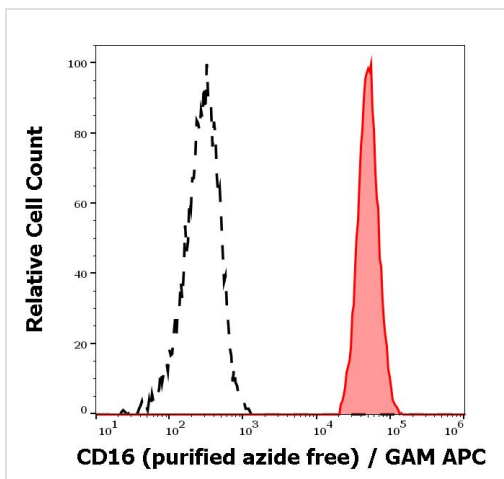
Human peripheral blood granulocytes stained with ab46679 (red line). Human whole blood was processed using a modified protocol based on Chow *et al*, 2005 (PMID: 16080188). In brief, human whole blood was fixed in 4% formaldehyde (methanol-free) for 10 min at 22°C. Red blood cells were then lysed by 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 (ab46679, 1µg/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. Isotype control antibody (black line) was mouse IgG1 [ICIGG1] (**ab91353**, 1µg/1x10⁶ cells) used under the same conditions. Unlabelled sample (blue line) was also used as a control. Acquisition of

>30,000 total events were collected using a 20mW Argon ion laser (488nm) and 525/30 bandpass filter. Gating strategy - peripheral blood granulocytes.



Flow cytometry surface staining pattern of human peripheral blood stained using ab46679 at 2 µg/ml) GAM APC.

Flow Cytometry - Anti-CD16 antibody [MEM-154] -
BSA and Azide free (ab46679)



Separation of human neutrophil granulocytes (red-filled) from CD16 negative lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using ab46679 at 2 µg/ml.

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