

# Alexa Fluor® 488 Anti-CD16 antibody [EPR22409-124] ab270139

リコンビナント

画像数 3

### 製品の概要

製品名	Alexa Fluor® 488 Anti-CD16 antibody [EPR22409-124]
製品の詳細	Alexa Fluor® 488 Rabbit monoclonal [EPR22409-124] to CD16
由来種	Rabbit
標識	Alexa Fluor® 488. Ex: 495nm, Em: 519nm
アプリケーション	<b>適用あり:</b> Flow Cyt, ICC
種交差性	<b>交差種:</b> Human
免疫原	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	Flow Cyt: Human peripheral blood mononuclear cells (PBMCs). ICC: Human PBMCs (human peripheral blood mononuclear cells) .
特記事項	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"><li>- High batch-to-batch consistency and reproducibility</li><li>- Improved sensitivity and specificity</li><li>- Long-term security of supply</li><li>- Animal-free production</li></ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb® patents</a>.</p> <p>Alexa Fluor® is a registered trademark of Molecular Probes, Inc, a Thermo Fisher Scientific Company. The Alexa Fluor® dye included in this product is provided under an intellectual property license from Life Technologies Corporation. As this product contains the Alexa Fluor® dye, the purchase of this product conveys to the buyer the non-transferable right to use the purchased product and components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). As this product contains the Alexa Fluor® dye the sale of this product is expressly conditioned on the buyer not using the product or its components, or any materials made using the product or its components, in any activity to generate revenue, which may include, but is not limited to use of the product or its components: (i) to provide a service, information, or data in return for payment (ii) for therapeutic, diagnostic or prophylactic purposes; or (iii) for resale, regardless of whether they are sold for use in research. For information on purchasing a license to this product for purposes other than research, contact Life Technologies Corporation, 5781 Van Allen Way, Carlsbad, CA 92008 USA or</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. Store In the Dark.
バッファー	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: 30% Glycerol (glycerin, glycerine), 1% BSA, 68.98% PBS
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR22409-124
アイソタイプ	IgG

## アプリケーション

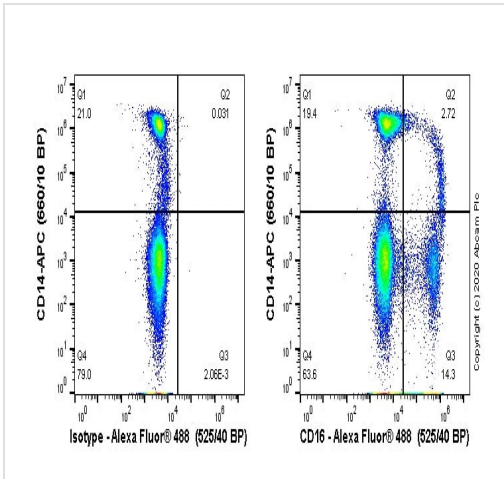
**The Abpromise guarantee**      **Abpromise保証は、次のテスト済みアプリケーションにおけるab270139の使用に適用されず**  
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
Flow Cyt		1/250.
ICC		1/100. This product gave a positive signal in human PMBCs fixed with 4% formaldehyde (10 min) and 100% methanol (5 min).

## ターゲット情報

機能	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.
組織特異性	Expressed on natural killer cells, macrophages, subpopulation of T-cells, immature thymocytes and placental trophoblasts.
配列類似性	Contains 2 Ig-like C2-type (immunoglobulin-like) domains.
翻訳後修飾	Glycosylated. Contains high mannose- and complex-type oligosaccharides. The soluble form is produced by a proteolytic cleavage.
細胞内局在	Cell membrane. Secreted. Exists also as a soluble receptor.

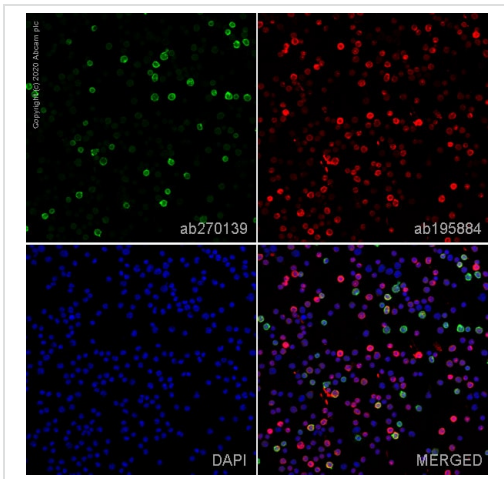
## 画像



Flow Cytometry - Alexa Fluor® 488 Anti-CD16 antibody [EPR22409-124] (ab270139)

Flow cytometry staining of human peripheral blood mononuclear cells (PBMCs) with ab270139 (right) or Rabbit IgG (monoclonal) Alexa Fluor® 488 (**ab199091**) isotype (left). PBMCs were incubated for 30 min on ice in 1x PBS containing 10µg/mL human IgG and 10% normal goat serum to block FC receptors and non-specific protein-protein interaction followed by the antibody (ab270139) or Rabbit IgG (monoclonal) Alexa Fluor® 488 (**ab199091**) isotype (100 µL at 0.2µg/mL (1/2500)) for 30 min on ice. The cells were simultaneously stained with CD14.

Acquisition of >30000 events were collected using a 50 mW Blue laser (488nm) and 525/40 bandpass filter. Events were gated on live single cells.



Immunocytochemistry - Alexa Fluor® 488 Anti-CD16 antibody [EPR22409-124] (ab270139)

Immunofluorescence analysis of a subset of human PBMCs (human peripheral blood mononuclear cells) labeling CD16 with ab270139.

The cells were fixed with 4% formaldehyde (10 min), permeabilized with 0.1% Triton X-100 for 5 minutes and then blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween for 1h. The cells were then incubated overnight at +4 °C with ab270139 at 1/100 dilution (Green) and **ab195884**, Rat monoclonal to Tubulin (Alexa Fluor® 647), at 1/250 dilution (Red). Nuclear DNA was labelled with DAPI (Blue). Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).

This product also gave a positive signal under the same testing conditions in cells fixed with 80% methanol (5 min).

### Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

Alexa Fluor® 488 Anti-CD16 antibody [EPR22409-124] (ab270139)

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

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