

### Anti-CD68 antibody [FA-11] ab53444

リコンビナント

★★★★★ [25 Abreviews](#) [256 References](#) [画像数 2](#)

#### 製品の概要

製品名	Anti-CD68 antibody [FA-11]
製品の詳細	Rat monoclonal [FA-11] to CD68
由来種	Rat
アプリケーション	<b>適用あり:</b> ICC/IF, Flow Cyt (Intra) <b>適用なし:</b> IHC-Fr
種交差性	<b>交差種:</b> Mouse
免疫原	Full length native protein (purified). This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	Flow Cyt: RAW 264.7 cells ICC/IF: RAW 264.7
特記事項	<p>This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact <a href="mailto:orders@abcam.com">orders@abcam.com</a>.</p> <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>

#### 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.
バッファー	Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	FA-11
アイソタイプ	IgG2a

## 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ab53444の使用に適用されます  
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。

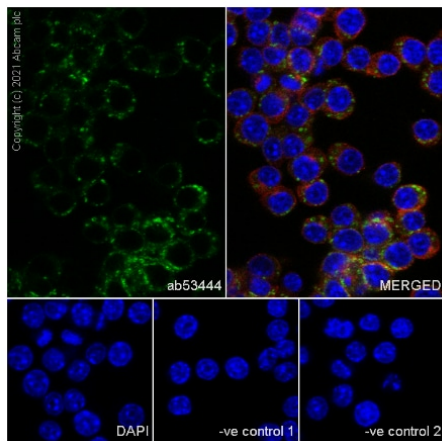
アプリケーション	Abreviews	特記事項
ICC/IF	★★★★★ (1)	1/50.
Flow Cyt (Intra)		1/100. Membrane permeabilisation is required for this application. <u>ab18450</u> - Rat monoclonal IgG2a, is suitable for use as an isotype control with this antibody.

追加情報      Is unsuitable for IHC-Fr.

## ターゲット情報

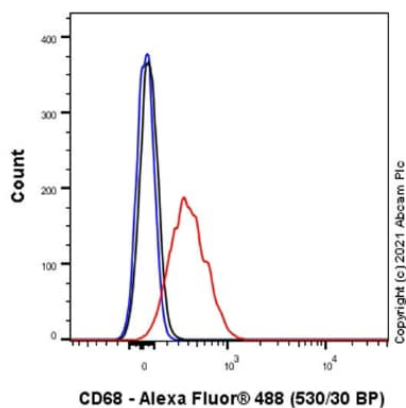
機能	Could play a role in phagocytic activities of tissue macrophages, both in intracellular lysosomal metabolism and extracellular cell-cell and cell-pathogen interactions. Binds to tissue- and organ-specific lectins or selectins, allowing homing of macrophage subsets to particular sites. Rapid recirculation of CD68 from endosomes and lysosomes to the plasma membrane may allow macrophages to crawl over selectin-bearing substrates or other cells.
組織特異性	Highly expressed by blood monocytes and tissue macrophages. Also expressed in lymphocytes, fibroblasts and endothelial cells. Expressed in many tumor cell lines which could allow them to attach to selectins on vascular endothelium, facilitating their dissemination to secondary sites.
配列類似性	Belongs to the LAMP family.
翻訳後修飾	N- and O-glycosylated.
細胞内局在	Cell membrane and Endosome membrane. Lysosome membrane.

## 画像



Immunocytochemistry/ Immunofluorescence - Anti-CD68 antibody [FA-11] (ab53444)

RAW 264.7 cells were fixed in 4% PFA and permeabilized with 0.1% Triton X-100. Primary antibody, ab53444 at 1:50 was incubated overnight at 4° C, followed by AlexaFluor® 488-conjugated Goat anti-Rat secondary antibody ([ab150157](#)) at 1/1000 dilution at RT for 45 min. [ab179513](#) Anti-beta Tubulin, used as a counterstain at 1/200 dilution, was co-incubated with ab53444 overnight at 4° C, followed by Alexa Fluor® 594 Goat Anti-Rabbit secondary ([ab150080](#)) at 1/1000 dilution at RT for 45 min. Nucleus were visualized using DAPI. Confocal image showing cytoplasmic staining in RAW 264.7 cell line.



Flow Cytometry (Intracellular) - Anti-CD68 antibody [FA-11] (ab53444)

Flow Cytometry analysis of 4% paraformaldehyde-fixed RAW 264.7 (Mouse Abelson murine leukemia virus-induced tumor macrophage) cells labelling CD68 with AB53444 at a 1/100 dilution (1 µg) (Red) compared to Rat monoclonal IgG - Isotype Control (Black) and cells without incubation with primary antibody and secondary antibody (Blue). Goat F(ab)2 Anti-Rat IgG Fc (Alexa Fluor® 488, [ab150161](#)) at 1/2000 dilution was used as the secondary antibody.

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