

### Anti-CD63 antibody [NK1/C3] ab1318

KO 評価済

★★★★☆ 1 Abreviews 19 References 画像数 4

#### 製品の概要

製品名	Anti-CD63 antibody [NK1/C3]
製品の詳細	Mouse monoclonal [NK1/C3] to CD63
由来種	Mouse
特異性	This antibody is specific to a 53 kD protein, expressed on activated platelets. CD63 is a lysosomal membrane glycoprotein that is translocated to plasma membrane after platelet activation. It is also expressed on granulocytes, B cells and T cells.
アプリケーション	<b>適用あり:</b> ICC/IF, IHC-P, Flow Cyt
種交差性	<b>交差種:</b> Human
免疫原	Tissue, cells or virus corresponding to CD63. Smooth plasma membrane fraction of MeWo cells.
ポジティブ・コントロール	ICC/IF: HAP1 cells (HAP1-CD63 knockout cells used as negative cell line)
特記事項	<p>CD63 is expressed on activated platelets. CD63 is a lysosomal membrane glycoprotein that is translocated to plasma membrane after platelet activation. It is also present in monocytes and macrophages and is weakly expressed in granulocytes, B, and T cells. CD63 is identical to the melanoma-associated antigen ME491 and to the platelet antigen PTLGP40.</p> <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>

#### 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). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
バッファー	pH: 7.3

	Preservative: 0.05% Sodium azide Constituent: 1% BSA
精製度	IgG fraction
一次抗体 備考	CD63 is expressed on activated platelets. CD63 is a lysosomal membrane glycoprotein that is translocated to plasma membrane after platelet activation. It is also present in monocytes and macrophages and is weakly expressed in granulocytes, B, and T cells. CD63 is identical to the melanoma-associated antigen ME491 and to the platelet antigen PTLGP40.
ポリ/モノ	モノクローナル
クローン名	NK1/C3
アイソタイプ	IgG1
軽鎖の種類	kappa

## アプリケーション

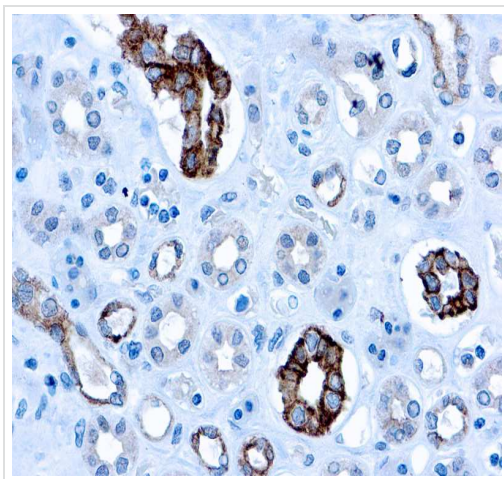
The Abpromise guarantee      **Abpromise保証は、次のテスト済みアプリケーションにおけるab1318の使用に適用されます**  
 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
ICC/IF		Use a concentration of 1 - 5 µg/ml. Signal can be observed in cells fixed with methanol or PFA.
IHC-P		1/100 - 1/200. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.
Flow Cyt		1/100. (Also see PMID 19129916). <b>ab170190</b> - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

## ターゲット情報

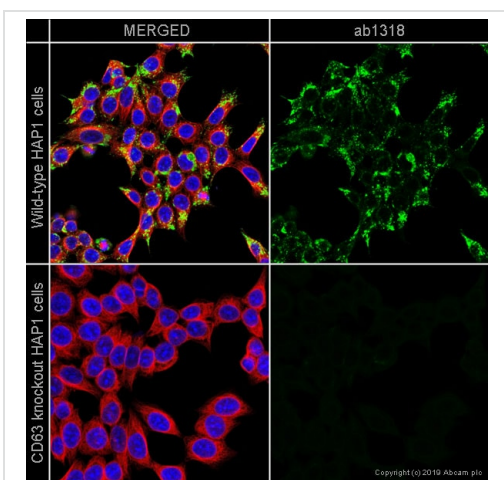
機能	This antigen is associated with early stages of melanoma tumor progression. May play a role in growth regulation.
組織特異性	Dysplastic nevi, radial growth phase primary melanomas, hematopoietic cells, tissue macrophages.
配列類似性	Belongs to the tetraspanin (TM4SF) family.
細胞内局在	Cell membrane. Lysosome membrane. Late endosome membrane. Also found in Weibel-Palade bodies of endothelial cells. Located in platelet dense granules.

## 画像



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD63 antibody [NK1/C3] (ab1318)

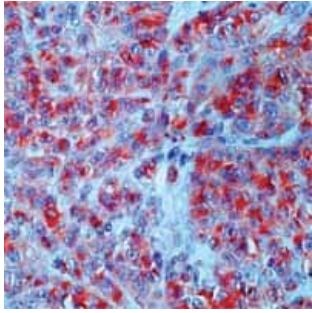
Formalin-fixed, paraffin-embedded human melanoma tissue stained for CD63 using ab1318 at 1/100 dilution in immunohistochemical analysis. Antigen retrieval with citrate buffer pH 6.0



Immunocytochemistry/ Immunofluorescence - Anti-CD63 antibody [NK1/C3] (ab1318)

ab1318 staining CD63 in wild-type HAP1 cells (top panel) and CD63 knockout HAP1 cells (bottom panel). The cells were fixed with 100% methanol (5min), 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 with ab1318 at 1ug/ml and **ab6046** (Tubulin) at 1/1000 dilution overnight at +4°C, followed by a further incubation at room temperature for 1h with a goat secondary antibody to mouse IgG (Alexa Fluor® 488) (**ab150117**) at 2 µg/ml (shown in green) and a goat secondary antibody to rabbit IgG (Alexa Fluor® 594) (**ab150080**) at 2 µg/ml (shown in pseudo color red). Nuclear DNA was labelled in blue with DAPI.

Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD63 antibody [NK1/C3] (ab1318)

ab1318 staining human melanoma by IHC-P.

Flow Cytometry - Anti-CD63 antibody [NK1/C3] (ab1318)

Overlay histogram showing HL60 cells stained with ab1318 (red line). The cells were fixed with 4% paraformaldehyde (10 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab1318, 1/100 dilution) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-Mouse IgG (H+L) ([ab96879](#)) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was Mouse IgG1 [ICIGG1] ([ab91353](#), 2 µg/1x10<sup>6</sup> cells) used under the same conditions. Acquisition of >5,000 events was performed. This antibody gave a positive signal in HL60 cells fixed with 80% methanol (5 min)/permeabilized with 0.1% PBS-Tween for 20 min used under the same conditions.

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