

# Anti-CD43 antibody [SP55] ab101533

リコンビナント **RabMAb**

## 1 References [画像数 8](#)

### 製品の概要

製品名	Anti-CD43 antibody [SP55]
製品の詳細	Rabbit monoclonal [SP55] to CD43
由来種	Rabbit
アプリケーション	<b>適用あり:</b> ICC/IF, IHC-P, WB, Flow Cyt
種交差性	<b>交差種:</b> Human
免疫原	Synthetic peptide within Human CD43 aa 200-300 (internal sequence). The exact sequence is proprietary. Database link: <b><a href="#">P16150</a></b>
ポジティブ・コントロール	IHC-P: Human tonsil and spleen tissue WB: Jurkat cells. Flow: Jurkat cells, IM-9 cells ICC/IF: IM-9 cells
特記事項	<b>This product is FOR RESEARCH USE ONLY. For commercial use, please contact <a href="mailto:partnerships@abcam.com">partnerships@abcam.com</a>.</b>

### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C.
バッファー	pH: 7.60 Preservative: 0.1% Sodium azide Constituents: PBS, 1% BSA
精製度	Protein A/G purified
特記事項(精製)	Purified from TCS by protein A/G.
ポリ/モノ	モノクローナル
クローン名	SP55
アイソタイプ	IgG

### アプリケーション

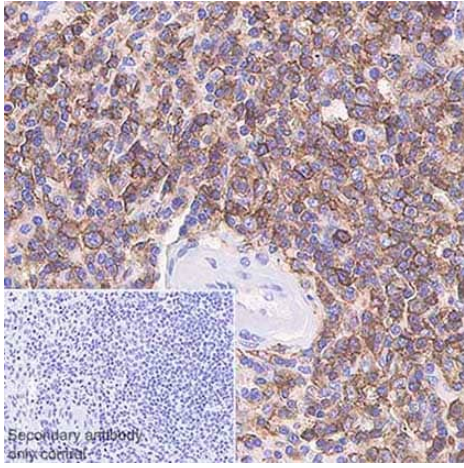
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 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
ICC/IF		1/50.
IHC-P		1/200. Antigen retrieval is recommended: Boil tissue sections in 10mM citrate buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.
WB		1/200.
Flow Cyt		Use at an assay dependent concentration. <b>ab172730</b> - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.

## ターゲット情報

機能	One of the major glycoproteins of thymocytes and T lymphocytes. Plays a role in the physicochemical properties of the T-cell surface and in lectin binding. Presents carbohydrate ligands to selectins. Has an extended rodlike structure that could protrude above the glycocalyx of the cell and allow multiple glycan chains to be accessible for binding. Is a counter receptor for SN/Siglec-1 (By similarity). During T-cell activation is actively removed from the T-cell-APC (antigen-presenting cell) contact site thus suggesting a negative regulatory role in adaptive immune response.
組織特異性	Cell surface of thymocytes, T-lymphocytes, neutrophils, plasma cells and myelomas.
翻訳後修飾	Glycosylated; has a high content of sialic acid and O-linked carbohydrate structures.
細胞内局在	Membrane.

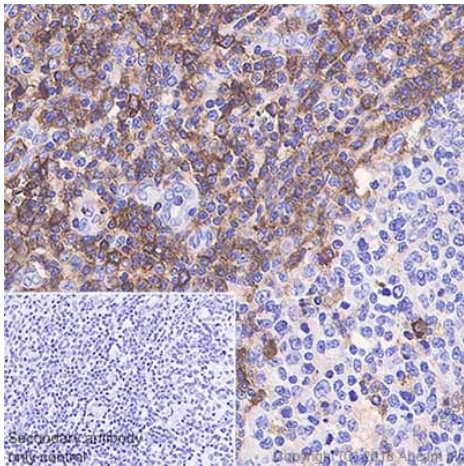
## 画像



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD43 antibody [SP55] (ab101533)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human spleen tissue sections labeling CD43 with ab101533 at 1/200 dilution (0.55 µg/ml). Heat mediated antigen retrieval with sodium citrate buffer (pH 6.0, epitope retrieval solution 1) for 10mins. Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**) was used as the secondary antibody. Hematoxylin was used as a counterstain. Positive staining on human spleen, performed on a Leica Biosystems BOND™ RX instrument.

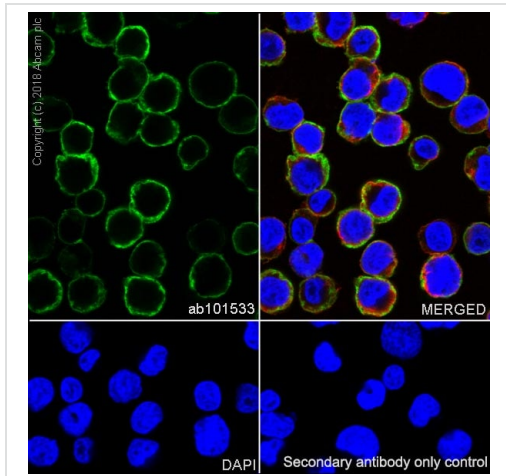
The section was incubated with ab101533 for 30 mins at room temperature.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD43 antibody [SP55] (ab101533)

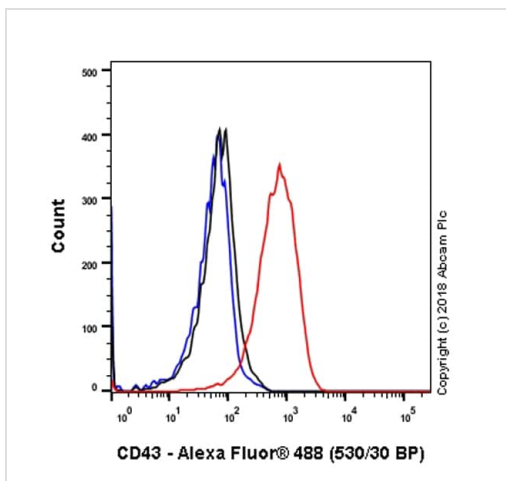
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human tonsil tissue sections labeling CD43 with ab101533 at 1/200 dilution (0.55 µg/ml). Heat mediated antigen retrieval with sodium citrate buffer (pH 6.0, epitope retrieval solution 1) for 10mins. Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**) was used as the secondary antibody. Hematoxylin was used as a counterstain. Positive staining on human tonsil, performed on a Leica Biosystems BOND™ RX instrument.

The section was incubated with ab101533 for 30 mins at room temperature.



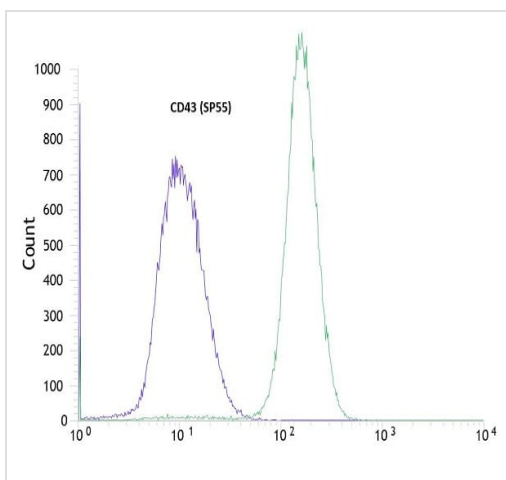
Immunocytochemistry/ Immunofluorescence - Anti-CD43 antibody [SP55] (ab101533)

Immunocytochemistry/ Immunofluorescence analysis of IM-9 (human multiple myeloma B Lymphoblast) cells labeling CD43 with purified ab101533 at 1:50 (2 µg/ml). Cells were fixed in 4% paraformaldehyde and permeabilized with 0.1% Triton X-100. Cells were counterstained with Ab195889 Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) 1:200 (2.5 µg/ml). Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) was used as the secondary antibody at 1:1000 (2 µg/ml) dilution. DAPI nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.



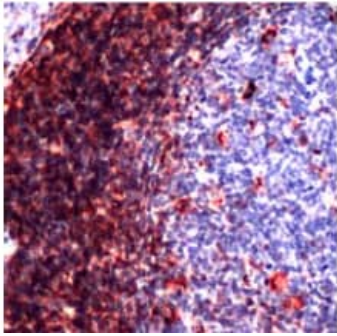
Flow Cytometry - Anti-CD43 antibody [SP55] (ab101533)

Flow Cytometry analysis of IM-9 (human multiple myeloma B Lymphoblast) cells labeling CD43 with purified ab101533 at 1:20 dilution (5.05 µg/ml) - Red. A Goat anti rabbit IgG (Alexa Fluor® 488, **ab150081**) secondary antibody was used at 1:2000 dilution. Isotype control - Rabbit monoclonal IgG (**ab172730**) - Black. Unlabeled control - Blue.



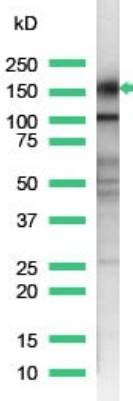
Flow Cytometry - Anti-CD43 antibody [SP55] (ab101533)

Flow cytometric analysis of rabbit anti-CD43 (SP55) antibody ab101533 (1/100) in Jurkat cells (green) compared to negative control of rabbit IgG (blue).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD43 antibody [SP55] (ab101533)

Staining of Human CD43 in a Formalin/PFA-fixed paraffin-embedded section of Human Tonsil using ab101533 at a dilution of 1/200.



Western blot - Anti-CD43 antibody [SP55] (ab101533)

Anti-CD43 antibody [SP55] (ab101533) at 1/25 dilution + Jurkat cell lysate

**Observed band size:** 105,160 kDa

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

Anti-CD43 antibody [SP55] (ab101533)

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