

### Anti-CD79a antibody [ZL7-4] ab270256

画像数 2

#### 製品の概要

製品名	Anti-CD79a antibody [ZL7-4]
製品の詳細	Mouse monoclonal [ZL7-4] to CD79a
由来種	Mouse
アプリケーション	<b>適用あり:</b> Flow Cyt
種交差性	<b>交差種:</b> Human
免疫原	Tissue, cells or virus corresponding to Human CD79a. IgM complex isolated from Daudi cells.
ポジティブ・コントロール	Flow: Raji cells. ICC/IF: Raji cells.
特記事項	<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). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
バッファー	<p>pH: 7.2</p> <p>Preservative: 0.05% Sodium azide</p> <p>Constituents: PBS, 0.05% BSA</p>
精製度	Protein A/G purified
特記事項(精製)	Purified from Bioreactor Concentrate.
ポリ/モノ	モノクローナル
クローン名	ZL7-4
アイソタイプ	IgG1
軽鎖の種類	kappa

## アプリケーション

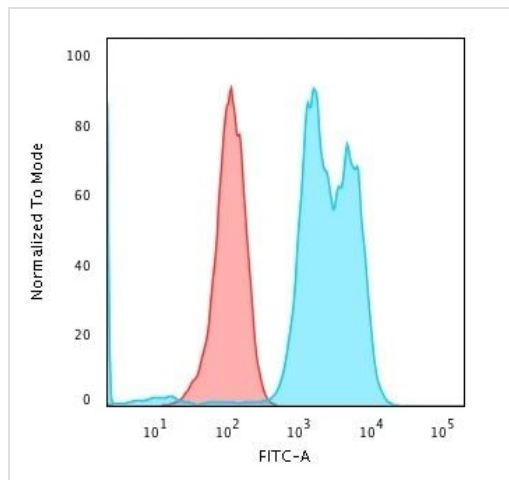
**The Abpromise guarantee**      **Abpromise保証は、次のテスト済みアプリケーションにおけるab270256の使用に適用されます**  
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

アプリケーション	Abreviews	特記事項
IF		Use a concentration of 1 - 2 µg/ml.
Flow Cyt		Use 1-2µg for 10 <sup>6</sup> cells.

## ターゲット情報

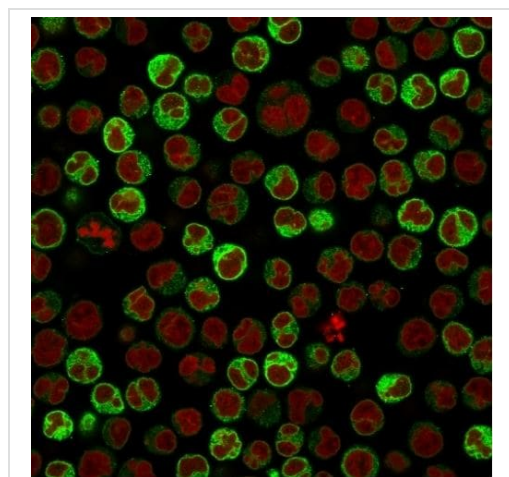
機能	Required in cooperation with CD79B for initiation of the signal transduction cascade activated by binding of antigen to the B-cell antigen receptor complex (BCR) which leads to internalization of the complex, trafficking to late endosomes and antigen presentation. Also required for BCR surface expression and for efficient differentiation of pro- and pre-B-cells. Stimulates SYK autophosphorylation and activation. Binds to BLNK, bringing BLNK into proximity with SYK and allowing SYK to phosphorylate BLNK. Also interacts with and increases activity of some Src-family tyrosine kinases. Represses BCR signaling during development of immature B cells.
組織特異性	B-cells.
関連疾患	Defects in CD79A are the cause of agammaglobulinemia type 3 (AGM3) [MIM:613501]. It is a primary immunodeficiency characterized by profoundly low or absent serum antibodies and low or absent circulating B cells due to an early block of B-cell development. Affected individuals develop severe infections in the first years of life. Note=Two different mutations, one at the splice donor site of intron 2 and the other at the splice acceptor site for exon 3, have been identified. Both mutations give rise to a truncated protein.
配列類似性	Contains 1 Ig-like C2-type (immunoglobulin-like) domain. Contains 1 ITAM domain.
翻訳後修飾	Phosphorylated on tyrosine, serine and threonine residues upon B-cell activation. Phosphorylation of tyrosine residues by Src-family kinases is an early and essential feature of the BCR signaling cascade. The phosphorylated tyrosines serve as docking sites for SH2-domain containing kinases, leading to their activation which in turn leads to phosphorylation of downstream targets. Phosphorylation of serine and threonine residues may prevent subsequent tyrosine phosphorylation.
細胞内局在	Cell membrane. Following antigen binding, the BCR has been shown to translocate from detergent-soluble regions of the cell membrane to lipid rafts although signal transduction through the complex can also occur outside lipid rafts.

## 画像



Flow Cytometry - Anti-CD79a antibody [ZL7-4]  
(ab270256)

Flow cytometric analysis of PFA-fixed Raji cells labeling CD79a using ab270256 at  $2 \mu\text{g}/10^6$  cells (Blue), followed by goat anti-mouse IgG-CF488; isotype control (Red).



Immunofluorescence - Anti-CD79a antibody [ZL7-4]  
(ab270256)

Immunofluorescence analysis of PFA-fixed Raji cells labeling CD79a using ab270256 at  $2 \mu\text{g}/\text{ml}$  (Green), followed by goat anti-mouse IgG-CF488. The nuclear counterstain is Reddot (Red).

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

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