abcam

Product datasheet

Anti-CD79a antibody [SP18] ab16698

RabMAb

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製品の概要

製品名	Anti-CD79a antibody [SP18]
製品の詳細	Rabbit monoclonal [SP18] to CD79a
由来種	Rabbit
特異性	ab16698 recognises CD79a. We have data to indicate that this antibody may not cross react with Opossum. However, this has not been conclusively tested and expression levels may vary in certain cell lines/tissues. This antibody does not react with mouse species for Flow Cytometry application.
アプリケーション	**適用あり:** Flow Cyt (Intra), IHC-P
種交差性	**交差種:** Human **交差が予測される動物種:** Rat, Rabbit, Horse, Chicken, Guinea pig, Cow, Dog, Pig, Monkey
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	IHC-P: Human tonsil tissue. Flow Cyt (Intra): Jurkat cells.
特記事項	**This product is FOR RESEARCH USE ONLY. For commercial use, please contact partnerships@abcam.com.** 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. 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&As

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	pH: 7.50 Preservative: 0.1% Sodium azide

	Constituents: Tissue culture supernatant, Tris buffered saline, 1% BSA
精製度	Tissue culture supernatant
ポリ/モノ	モノクローナル
クローン名	SP18
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ab16698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。

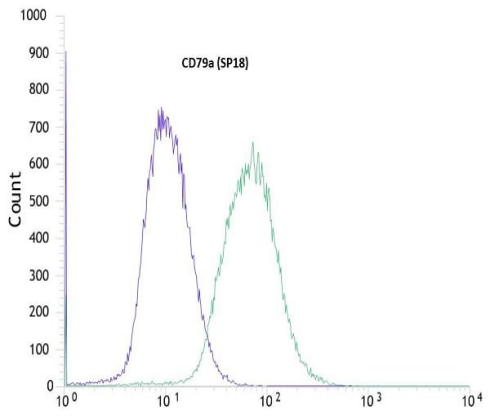
アプリケーション	Abreviews	特記事項
Flow Cyt (Intra)		1/100. **ab172730** - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
IHC-P		1/100. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

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

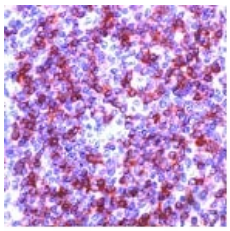
the complex can also occur outside lipid rafts.

画像



Flow Cytometry (Intracellular) - Anti-CD79a antibody [SP18] (ab16698)

Flow cytometric analysis of rabbit anti-CD79a (SP18) antibody ab16698 (1/100) in Jurkat cells (green) compared to negative control of rabbit IgG (blue).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD79a antibody [SP18] (ab16698)

Ab16698, at a dilution of 1/100, staining formalin fixed paraffin embedded human tonsil tissue sections by Immunohistochemistry.

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