

Anti-CD45.1 antibody [A20] ab25078

5 References [画像数 1](#)

製品の概要

製品名	Anti-CD45.1 antibody [A20]
製品の詳細	Mouse monoclonal [A20] to CD45.1
由来種	Mouse
アプリケーション	適用あり: IP, ICC/IF, IHC-FoFr, Flow Cyt
種交差性	交差種: Mouse
免疫原	Tissue, cells or virus corresponding to CD45.1. SJL mouse thymocytes and splenocytes
特記事項	<p>ab25078 recognizes all mouse leukocytes expressing the CD45.1 allotype and is useful as a marker for origin of donor and host cells.</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&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 long term. Avoid freeze / thaw cycle.
バッファー	pH: 8.20 Constituent: 100% Borate buffered saline
精製度	Affinity purified
一次抗体 備考	ab25078 recognizes all mouse leukocytes expressing the CD45.1 allotype and is useful as a marker for origin of donor and host cells.
ポリ/モノ	モノクローナル
クローン名	A20
アイソタイプ	IgG2a
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ab25078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。

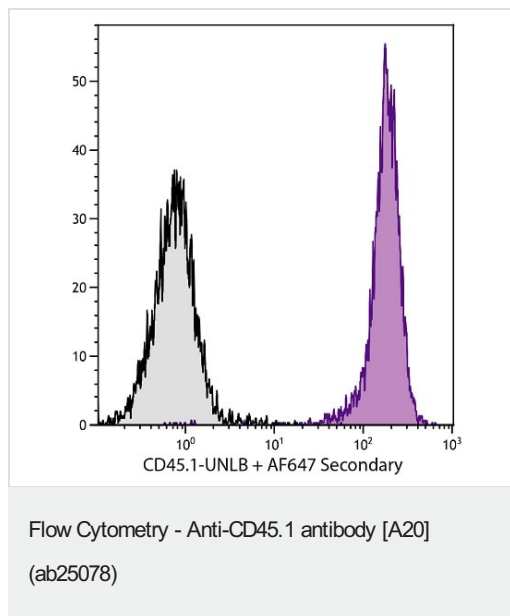
アプリケーション	Abreviews	特記事項
IP		Use at an assay dependent concentration.
ICC/IF		Use at an assay dependent concentration.
IHC-FoFr		Use at an assay dependent concentration. PubMed: 17626103
Flow Cyt		Use at an assay dependent concentration. ab170191 - Mouse monoclonal IgG2a, is suitable for use as an isotype control with this antibody.

ターゲット情報

関連性 CD45 is an essential regulator of leukocyte activation and development, and is now known to be a protein tyrosine phosphatase, e.g. CD45 is able to dephosphorylate the Src family of protein kinases. This activity is now known to be required for signal transduction induced by T and B cell antigen receptor engagement, cytokine signaling and Fc receptor stimulation. The functional state of CD45 also has a pronounced effect on lymphocyte development. CD45 exists in multiple forms, such as the restricted variants and as allelic forms CD45.1/Ly5.1 and CD45.2/Ly5.2. The former arises as a result of alternative splicing of different exons. The specificity of antibodies to CD45.1 and CD45.2 has been exploited in studies in which resolution of donor and recipient cells is essential, such as in gene therapy or bone marrow transplantation.

細胞内局在 Type I membrane protein.

画像



Flow Cytometry analysis of SJL mouse splenocytes labeling CD45.1 with ab25078 at $0.1 \mu\text{g}/10^6$ cells (Purple). A Goat Anti-Mouse IgG2a, Human ads-AF647 was used as the secondary antibody. Grey - Isotype Control, Mouse IgG2a-UNLB followed by Goat Anti-Mouse IgG2a, Human ads-AF647.

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