

# Anti-CD45.1 antibody [A20] ab25078

[5 References](#) [1 图像](#)

### 概述

<b>产品名称</b>	Anti-CD45.1抗体[A20]
<b>描述</b>	小鼠单克隆抗体[A20] to CD45.1
<b>宿主</b>	Mouse
<b>经测试应用</b>	<b>适用于:</b> IP, ICC/IF, IHC-FoFr, Flow Cyt
<b>种属反应性</b>	<b>与反应:</b> Mouse
<b>免疫原</b>	Tissue, cells or virus corresponding to CD45.1. SJL mouse thymocytes and splenocytes
<b>常规说明</b>	<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&amp;As</p>

### 性能

<b>形式</b>	Liquid
<b>存放说明</b>	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.
<b>存储溶液</b>	pH: 8.20 Constituent: 100% Borate buffered saline
<b>纯度</b>	Affinity purified
<b>Primary antibody说明</b>	ab25078 recognizes all mouse leukocytes expressing the CD45.1 allotype and is useful as a marker for origin of donor and host cells.
<b>克隆</b>	单克隆
<b>克隆编号</b>	A20
<b>同种型</b>	IgG2a
<b>轻链类型</b>	kappa

## 应用

**The Abpromise guarantee**      **Abpromise™** 承诺保证使用ab25078于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

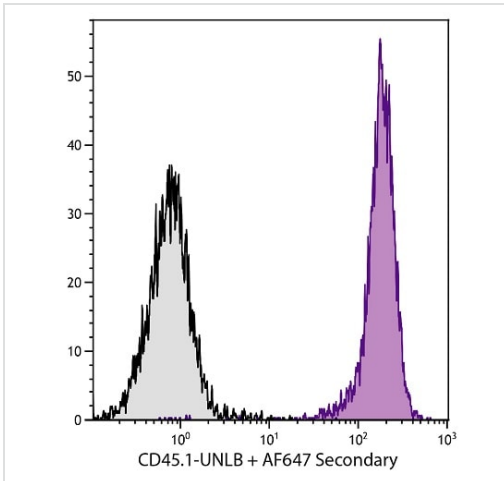
应用	Ab评论	说明
IP		Use at an assay dependent concentration.
ICC/IF		Use at an assay dependent concentration.
IHC-FoFr		Use at an assay dependent concentration. PubMed: 17626103
Flow Cyt		Use at an assay dependent concentration. <b>ab170191</b> - Mouse monoclonal IgG2a, is suitable for use as an isotype control with this antibody.

## 靶标

**相关性**      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.

**细胞定位**      Type I membrane protein.

## 图片



Flow Cytometry - Anti-CD45.1 antibody [A20]  
(ab25078)

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.

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

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