

# Anti-Ly-6A/E (Sca-1) antibody [E13 161-7] - Hematopoietic Stem Cell Marker ab51317

★★★★★ [5 Abreviews](#) [32 References](#) [2 图像](#)

### 概述

产品名称	Anti-Ly-6A/E (Sca-1)抗体[E13 161-7] - Hematopoietic Stem Cell Marker
描述	大鼠单克隆抗体[E13 161-7] to Ly-6A/E (Sca-1) - Hematopoietic Stem Cell Marker
宿主	Rat
经测试应用	适用于: Flow Cyt, ICC/IF 不适用于: WB
种属反应性	与反应: Mouse
免疫原	Tissue, cells or virus. This information is proprietary to Abcam and/or its suppliers.
阳性对照	ICC/IF: Mouse TH2 cell line. Flow Cyt: C57 BL/6 mouse splenocytes
常规说明	<p>This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact <a href="mailto:orders@abcam.com">orders@abcam.com</a>.</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

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
存储溶液	<p>pH: 7.40</p> <p>Preservative: 0.02% Sodium azide</p> <p>Constituent: PBS</p> <p>Some batches contain 6.97% L-Arginine as a stabilizing agent. For lot-specific buffer information, please contact our Scientific Support team.</p>
纯度	Protein G purified

克隆	单克隆
克隆编号	E13 161-7
同种型	IgG2a

## 应用

**The Abpromise guarantee**      **Abpromise™承诺保证使用ab51317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。

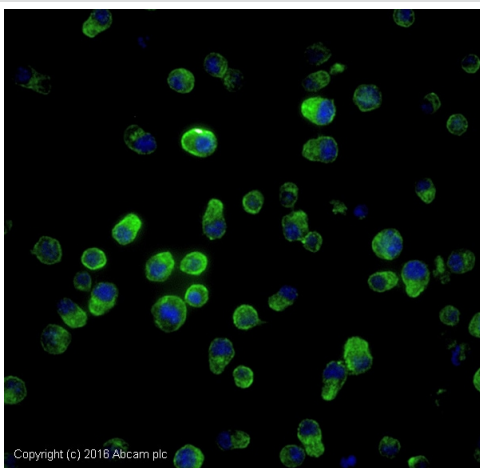
应用	Ab评论	说明
Flow Cyt		Use 0.2µg for 10 <sup>6</sup> cells.
ICC/IF	★★★★★ (2)	Use a concentration of 5 µg/ml.

应用说明 Is unsuitable for WB.

## 靶标

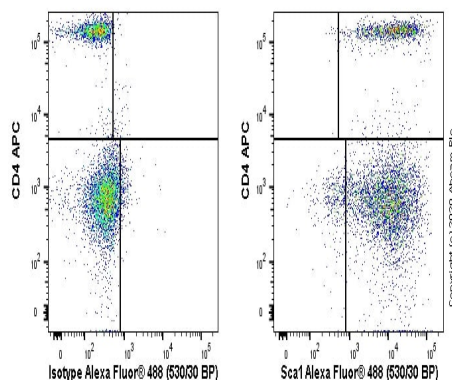
<b>功能</b>	T-cell activation.
<b>组织特异性</b>	Widely expressed.
<b>序列相似性</b>	Contains 1 UPAR/Ly6 domain.
<b>翻译后修饰</b>	O-glycosylated. Not N-glycosylated. Not phosphorylated.
<b>细胞定位</b>	Cell membrane.

图片



Immunocytochemistry/ Immunofluorescence - Anti-  
Ly-6A/E (Sca-1) antibody [E13 161-7] -  
Hematopoietic Stem Cell Marker (ab51317)

ab51317 stained mouse TH2 cells. The cells were 4% formaldehyde fixed for 4 minutes at room temperature and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1 hour at room temperature to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab51317 at 10µg/ml) overnight at +4°C. The secondary antibody (pseudo-colored green) was Goat Anti-Rat IgG H&L (Alexa Fluor® 488) preadsorbed (ab150165) used at a 1/1000 dilution for 1 hour at room temperature. DAPI was used to stain the cell nuclei (pseudo-colored blue) at a concentration of 1.43µM for 1 hour at room temperature.



Flow Cytometry - Anti-Ly-6A/E (Sca-1) antibody  
[E13 161-7] - Hematopoietic Stem Cell Marker  
(ab51317)

Flow cytometry staining of C57 BL/6 mouse splenocytes with ab51317 (right) or Rat IgG2aκ (**ab18450**) isotype (left). Cells were incubated for 30 min on ice in 1x PBS containing 10 % mouse serum/10 % normal goat serum to block FC receptors and non-specific protein-protein interaction followed by the antibody (ab51317) or Rat IgG2aκ (**ab18450**) isotype ( $1 \times 10^6$  in 100µl at 0.2µg/ml) for 30 min on ice.

The secondary antibody Goat anti-rat IgG H&L (Alexa Fluor® 488, pre-adsorbed) (**ab150165**) was used at 1/2000 dilution for 30 min on ice. The cells were simultaneously stained with CD4.

Acquisition of >30,000 events were collected using a 50 mW Blue laser (488nm) and 530/30 bandpass filter. Events were gated on live lymphocytes.

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

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