

### Anti-CD45RA antibody [4KB5] ab755

重组

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#### 概述

产品名称	Anti-CD45RA抗体[4KB5]
描述	小鼠单克隆抗体[4KB5] to CD45RA
宿主	Mouse
经测试应用	适用于: IHC-P, Flow Cyt
种属反应性	与反应: Human
免疫原	Tissue, cells or virus corresponding to CD45RA. B cell lymphoma
阳性对照	IHC-P: Human tonsil tissue. Flow Cyt: Human peripheral blood mononuclear cells.
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>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p>

#### 性能

形式	Liquid
存放说明	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.
存储溶液	<p>pH: 7.2</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 0.05% BSA, 40% Glycerol (glycerin, glycerine), PBS</p>
纯度	Protein A purified
克隆	单克隆
克隆编号	4KB5
同种型	IgG1

## 应用

**The Abpromise guarantee**      **Abpromise™** 承诺保证使用 ab755 于以下的经测试应用

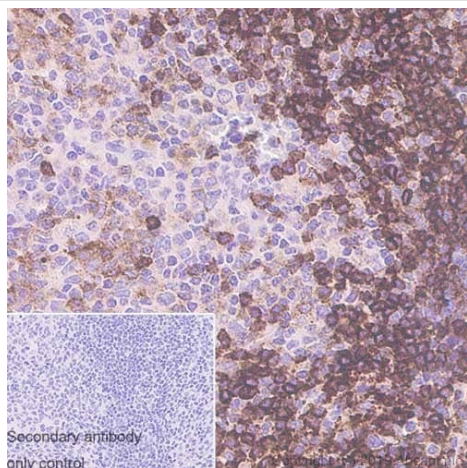
“应用说明”部分 下显示的仅为推荐的起始稀释度; 实际最佳的稀释度/浓度应由使用者检定。

应用	Ab 评论	说明
IHC-P		Use a concentration of 0.239 µg/ml. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
Flow Cyt		Use a concentration of 1.017 µg/ml.

## 靶标

功能	Protein tyrosine-protein phosphatase required for T-cell activation through the antigen receptor. Acts as a positive regulator of T-cell coactivation upon binding to DPP4. The first PTPase domain has enzymatic activity, while the second one seems to affect the substrate specificity of the first one. Upon T-cell activation, recruits and dephosphorylates SKAP1 and FYN. Dephosphorylates LYN, and thereby modulates LYN activity.
疾病相关	Severe combined immunodeficiency autosomal recessive T-cell-negative/B-cell-positive/NK-cell-positive Multiple sclerosis
序列相似性	Belongs to the protein-tyrosine phosphatase family. Receptor class 1/6 subfamily. Contains 2 fibronectin type-III domains. Contains 2 tyrosine-protein phosphatase domains.
结构域	The first PTPase domain interacts with SKAP1.
翻译后修饰	Heavily N- and O-glycosylated.
细胞定位	Membrane. Membrane raft. Colocalized with DPP4 in membrane rafts.

## 图片

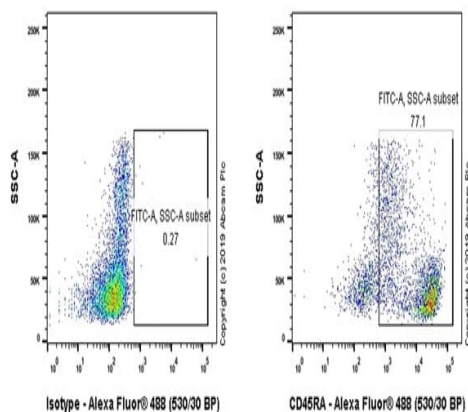


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD45RA antibody [4KB5] (ab755)

Immunohistochemical analysis of paraffin-embedded human tonsil tissue labeling CD45RA with ab755 at 0.239µg/ml, followed by ready to use secondary. Positive staining on human tonsil tissue is observed. The section was incubated with ab755 for 10 mins at RT. The immunostaining staining was performed on a Leica Biosystems BOND<sup>®</sup> RX instrument. Counterstained with hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, followed by ready to use secondary.

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution 2) for 20 mins.



Flow Cytometry - Anti-CD45RA antibody [4KB5] (ab755)

Flow cytometric analysis of human peripheral blood mononuclear cell (PBMC) (right) labeling CD45RA with ab755 at 1.017µg/ml compared with mouse monoclonal IgG Isotype Control (left). Goat anti-mouse IgG (Alexa Fluor<sup>®</sup> 488) ([ab150113](#)) at 1/2000 dilution was used as the secondary antibody.

Gated on viable cells.

### Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

Anti-CD45RA antibody [4KB5] (ab755)

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

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