

# PE/Cy5® Anti-CD45RO antibody [UCHL1] ab95520

## 1 图像

### 概述

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<b>产品名称</b>	PE/Cy5® Anti-CD45RO抗体[UCHL1]
<b>描述</b>	PE/Cy5®小鼠单克隆抗体[UCHL1] to CD45RO
<b>宿主</b>	Mouse
<b>偶联物</b>	PE/Cy5®. Ex: 496nm, Em: 670nm
<b>经测试应用</b>	<b>适用于:</b> Flow Cyt
<b>种属反应性</b>	<b>与反应:</b> Human
<b>免疫原</b>	Tissue, cells or virus corresponding to Human CD45RO. IL2 dependent T cell line CA1.
<b>阳性对照</b>	Normal Human peripheral blood cells/leukocytes.
<b>常规说明</b>	<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

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<b>形式</b>	Liquid
<b>存放说明</b>	Shipped at 4°C. Store at +4°C.
<b>存储溶液</b>	pH: 7.20 Preservative: 0.09% Sodium azide Constituents: 0.2% BSA, 0.87% Sodium chloride, PBS
<b>纯度</b>	Protein G purified
<b>克隆</b>	单克隆
<b>克隆编号</b>	UCHL1
<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ab95520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 5µl for 10 <sup>6</sup> cells.

## 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**      Defects in PTPRC are a cause of severe combined immunodeficiency autosomal recessive T-cell-negative/B-cell-positive/NK-cell-positive (T(-)B(+)NK(+)) SCID [MIM:608971]. A form of severe combined immunodeficiency (SCID), a genetically and clinically heterogeneous group of rare congenital disorders characterized by impairment of both humoral and cell-mediated immunity, leukopenia, and low or absent antibody levels. Patients present in infancy recurrent, persistent infections by opportunistic organisms. The common characteristic of all types of SCID is absence of T-cell-mediated cellular immunity due to a defect in T-cell development. Genetic variations in PTPRC are involved in multiple sclerosis susceptibility (MS) [MIM:126200]. MS is a neurodegenerative disorder characterized by the gradual accumulation of focal plaques of demyelination particularly in the periventricular areas of the brain. Peripheral nerves are not affected. Onset usually in third or fourth decade with intermittent progression over an extended period. The cause is still uncertain.

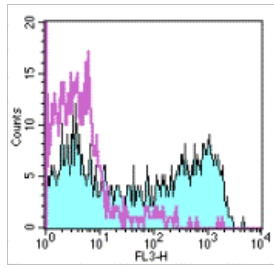
**序列相似性**      Belongs to the protein-tyrosine phosphatase family. Receptor class 1/6 subfamily.  
Contains 2 fibronectin type-III domains.  
Contains 2 tyrosine-protein phosphatase domains.

**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



Flow Cytometry - PE/Cy5® Anti-CD45RO antibody  
[UCHL1] (ab95520)

Flow cytometric staining of normal Human peripheral blood cells with staining buffer (autofluorescence) (open histogram) or ab95520 (filled histogram). Cells in the lymphocyte gate were used for analysis.

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

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- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
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