

# PE/Cy7® Anti-CD45 antibody [MEM-28] ab239317

## 1 图像

### 概述

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<b>产品名称</b>	PE/Cy7® Anti-CD45抗体[MEM-28]
<b>描述</b>	PE/Cy7®小鼠单克隆抗体[MEM-28] to CD45
<b>宿主</b>	Mouse
<b>偶联物</b>	PE/Cy7®. Ex: 496nm, Em: 774nm
<b>特异性</b>	The antibody MEM-28 reacts with an extracellular epitope on all alternative forms of human CD45 antigen (Leukocyte Common Antigen), a 180-220 kDa single chain type I transmembrane protein expressed at high level on all cells of hematopoietic origin, except erythrocytes and platelets.
<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>不与反应:</b> Horse
<b>免疫原</b>	Tissue, cells or virus corresponding to CD45. (Human thymocytes and T lymphocytes).
<b>表位</b>	Extracellular region.
<b>阳性对照</b>	Flow Cyt: Human peripheral blood cells.
<b>常规说明</b>	<p>This product or portions thereof is manufactured under license from Carnegie Mellon University under U.S. Patent Number 5, 268, 486 and related patents. Cy® and CyDye® are trademarks of Cytiva.</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.

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

### 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. Store In the Dark.
<b>存储溶液</b>	pH: 7.4

Preservative: 0.0975% Sodium azide

Constituent: PBS

**纯度**

Size exclusion

**纯化说明**

Purified antibody is conjugated with tandem dye PE/Cy7<sup>®</sup> under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. No reconstitution is necessary.

**克隆**

单克隆

**克隆编号**

MEM-28

**同种型**

IgG1

**应用**

**The Abpromise guarantee**

**Abpromise™** 承诺保证使用 ab239317 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 4µl for 10 <sup>6</sup> cells. The reagent is designed for analysis of human blood cells using 4 µl reagent / 100 µl of whole blood or 10 <sup>6</sup> cells in a suspension. The content of a vial (0.4 ml) is sufficient for 100 tests.

**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.

**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.

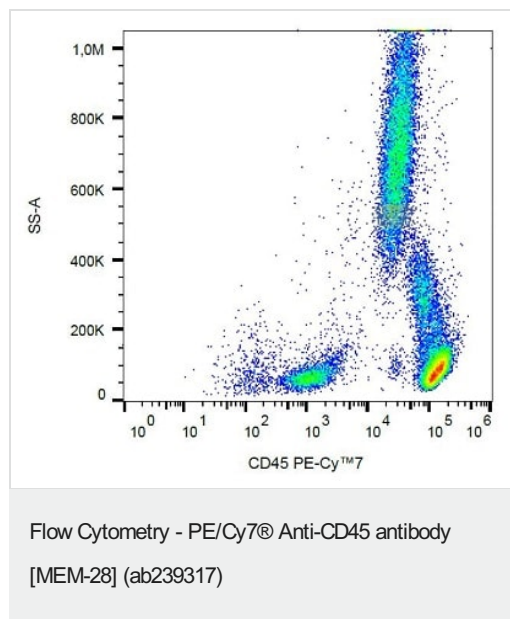
**结构域**

The first PTPase domain interacts with SKAP1.

**翻译后修饰**

Heavily N- and O-glycosylated.

## 图片



Flow cytometric analysis of human peripheral blood labeling CD45 with ab239317. Surface staining. Gated on leukocytes.

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

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