

# Anti-CD45R antibody [RA3-6B2] (PE/Cy5.5®) ab25387

[1 References](#) [1 图像](#)

### 概述

<b>产品名称</b>	Anti-CD45R抗体[RA3-6B2] (PE/Cy5.5®)
<b>描述</b>	大鼠单克隆抗体[RA3-6B2] to CD45R (PE/Cy5.5®)
<b>宿主</b>	Rat
<b>偶联物</b>	PE/Cy5.5®. Ex: 496nm, Em: 690nm
<b>特异性</b>	ab25387 recognises the B220 isoform of CD45 (240 kDa).
<b>经测试应用</b>	<b>适用于:</b> Flow Cyt, IHC-Fr, IP
<b>种属反应性</b>	<b>与反应:</b> Mouse, Human
<b>免疫原</b>	Tissue/ cell preparation: Abelson murine leukemia virus induced pre B tumor 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 GE Healthcare Limited.</p> <p>In vivo administration of RA3-6B2 has been shown to affect differentiation of both T and B cells in normal mice and reduce the level of anti-DNA antibodies and lymphadenopathies in MRL/lpr mice.</p>

### 性能

<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>	Preservative: 0.09% Sodium azide Constituents: PBS, 16% Sucrose  Stabilising agent.
<b>Primary antibody说明</b>	In vivo administration of RA3-6B2 has been shown to affect differentiation of both T and B cells in normal mice and reduce the level of anti-DNA antibodies and lymphadenopathies in MRL/lpr mice.
<b>克隆</b>	单克隆
<b>克隆编号</b>	RA3-6B2
<b>同种型</b>	IgG2a

## 应用

**The Abpromise guarantee** **Abpromise™** 承诺保证使用 ab25387 于以下的经测试应用

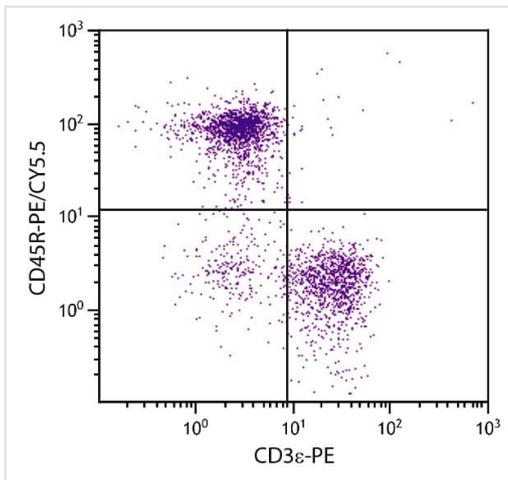
“应用说明”部分下显示的仅为推荐的起始稀释度；实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
Flow Cyt		Use 0.2µg for 10 <sup>6</sup> cells. <b>ab154455</b> - Rat monoclonal IgG2a, is suitable for use as an isotype control with this antibody.
IHC-Fr		Use at an assay dependent concentration.
IP		Use at an assay dependent concentration.

## 靶标

<b>功能</b>	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.
<b>疾病相关</b>	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.
<b>序列相似性</b>	Belongs to the protein-tyrosine phosphatase family. Receptor class 1/6 subfamily. Contains 2 fibronectin type-III domains. Contains 2 tyrosine-protein phosphatase domains.
<b>结构域</b>	The first PTPase domain interacts with SKAP1.
<b>翻译后修饰</b>	Heavily N- and O-glycosylated.
<b>细胞定位</b>	Membrane. Membrane raft. Colocalized with DPP4 in membrane rafts.

## 图片



Flow cytometry analysis of BALB/c mouse splenocytes stained with Anti-CD45R antibody [RA3-6B2] (PE/Cy5.5 ) ab25387 (0.1  $\mu\text{g}/10^6$  cells) and Rat Anti-Mouse CD3 epsilon-PE.

Flow Cytometry - Anti-CD45R antibody [RA3-6B2] (PE/Cy5.5®) (ab25387)

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