

PE Anti-CD45 antibody [MEM-28], prediluted ab134202

5 References [1 图像](#)

概述

产品名称	PE Anti-CD45抗体[MEM-28], prediluted
描述	PE小鼠单克隆抗体[MEM-28] to CD45, prediluted
宿主	Mouse
偶联物	PE. Ex: 488nm, Em: 575nm
特异性	ab134202 reacts with all alternative forms of Human CD45.
经测试应用	适用于: Flow Cyt
种属反应性	与反应: Human
免疫原	Tissue, cells or virus corresponding to Human CD45. Human thymocytes and T lymphocytes.
阳性对照	Flow Cyt: Human peripheral blood cells.
常规说明	<p>ab134202 is designed for Flow Cytometry analysis of Human blood cells using 20 µl reagent / 100 µl of whole blood or 10⁶ cells in a suspension.</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&As</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C.
存储溶液	<p>pH: 7.4</p> <p>Preservative: 0.1% Sodium azide</p> <p>Constituents: 99% PBS, 0.2% BSA</p>
纯度	Size exclusion
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ab134202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 20µl for 10 ⁶ cells. ab91357 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

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.

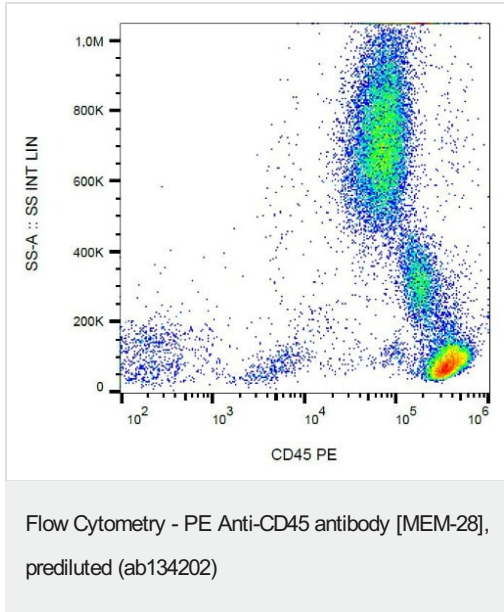
翻译后修饰

Heavily N- and O-glycosylated.

细胞定位

Membrane. Membrane raft. Colocalized with DPP4 in membrane rafts.

图片



Flow Cytometry analysis of human peripheral blood cells labeling CD45 with Anti-CD45 antibody [MEM-28], prediluted (Phycoerythrin) (ab134202).

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