

PE Anti-LAIR1 antibody [113] ab95749

[1 References](#) [1 图像](#)

概述

产品名称	PE Anti-LAIR1抗体[113]
描述	PE亚美尼亚仓鼠单克隆抗体[113] to LAIR1
宿主	Armenian hamster
偶联物	PE. Ex: 488nm, Em: 575nm
经测试应用	适用于: Flow Cyt
种属反应性	与反应: Mouse
免疫原	Tissue, cells or virus corresponding to Mouse LAIR1. ARHO12 clone stably expressing Mouse LAIR1 fused to a C terminal MYC tag.
阳性对照	C57BL/6 splenocytes
常规说明	<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	pH: 7.20 Preservative: 0.09% Sodium azide
纯度	Protein G purified
克隆	单克隆
克隆编号	113
同种型	IgG

应用

The Abpromise guarantee

Abpromise™ 承诺保证使用ab95749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 0.125-0.25µg for 10 ⁵⁻⁸ cells. A 100 µl volume is recommended for staining the cell sample.

靶标

功能

Functions as an inhibitory receptor that plays a constitutive negative regulatory role on cytolytic function of natural killer (NK) cells, B-cells and T-cells. Activation by Tyr phosphorylation results in recruitment and activation of the phosphatases PTPN6 and PTPN11. It also reduces the increase of intracellular calcium evoked by B-cell receptor ligation. May also play its inhibitory role independently of SH2-containing phosphatases. Modulates cytokine production in CD4+ T-cells, downregulating IL2 and IFNG production while inducing secretion of transforming growth factor beta. Down-regulates also IgG and IgE production in B-cells as well as IL8, IL10 and TNF secretion. Inhibits proliferation and induces apoptosis in myeloid leukemia cell lines as well as prevents nuclear translocation of NF-kappa-B p65 subunit/RELA and phosphorylation of I-kappa-B alpha/CHUK in these cells. Inhibits the differentiation of peripheral blood precursors towards dendritic cells.

组织特异性

Expressed on the majority of peripheral mononuclear cells, including natural killer (NK) cells, T-cells, B-cells, monocytes, and dendritic cells. Highly expressed in naive T-cells and B-cells but no expression on germinal center B-cells. Abnormally low expression in naive B-cells from HIV-1 infected patients. Very low expression in NK cells from a patient with chronic active Epstein-Barr virus infection.

序列相似性

Contains 1 Ig-like C2-type (immunoglobulin-like) domain.

发展阶段

Complete loss of expression when naive B-cells proliferates and differentiates into Ig-producing plasma cells under in vitro stimulation.

结构域

ITIM (immunoreceptor tyrosine-based inhibitor motif) motif is a cytoplasmic motif present in 2 copies in the intracellular part of LAIR1. When phosphorylated, ITIM motif can bind the SH2 domain of several SH2-containing phosphatases, leading to down-regulation of cell activation.

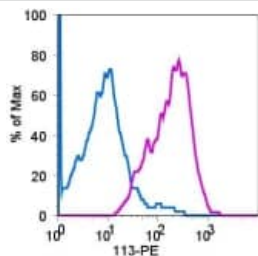
翻译后修饰

Phosphorylation at Tyr-251 and Tyr-281 activates it. May be phosphorylated by LCK. N-glycosylated.

细胞定位

Cell membrane.

图片



Flow Cytometry - PE Anti-LAIR1 antibody [113]
(ab95749)

Flow cytometry staining of C57BL/6 splenocytes with 0.125 μ g of Armenian Hamster IgG Isotype Control PE (blue histogram) or 0.125 μ g ab95749 (purple histogram). Total viable F4/80+ cells were used for analysis.

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