

Anti-LAIR1 antibody [113] - Low endotoxin, Azide free ab171239

1 References [画像数 1](#)

製品の概要

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|--------------|---|
| 製品名 | Anti-LAIR1 antibody [113] - Low endotoxin, Azide free |
| 製品の詳細 | Armenian hamster monoclonal [113] to LAIR1 - Low endotoxin, Azide free |
| 由来種 | Armenian hamster |
| アプリケーション | 適用あり: Flow Cyt |
| 種交差性 | 交差種: Mouse |
| 免疫原 | The details of the immunogen for this antibody are not available. |
| ポジティブ・コントロール | Mouse splenocytes. |
| 特記事項 | <p>Endotoxin Level: Less than 0.001 ng/μg antibody, as determined by the LAL assay.</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> |

製品の特性

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| 製品の状態 | Liquid |
| 保存方法 | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle. |
| バッファー | pH: 7.20 Constituent: 100% PBS |
| キャリア・フリー | はい |
| 精製度 | Protein G purified |
| ポリ/モノ | モノクローナル |
| クローン名 | 113 |
| アイソタイプ | IgG |

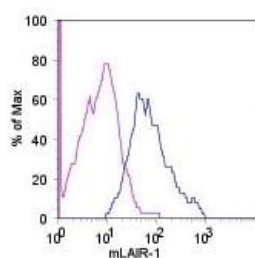
The Abpromise guarantee Abpromise保証は、次のテスト済みアプリケーションにおけるab171239の使用に適用されます
 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

| アプリケーション | Abreviews | 特記事項 |
|----------|-----------|---|
| Flow Cyt | | Use at an assay dependent concentration. ab171239 can be used at less than or equal to 0.25µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10e5 to 10e8 cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest. |

ターゲット情報

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| 機能 | 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. |
| 組織特異性 | 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. |
| 配列類似性 | Contains 1 Ig-like C2-type (immunoglobulin-like) domain. |
| 発生段階 | Complete loss of expression when naive B-cells proliferates and differentiates into Ig-producing plasma cells under in vitro stimulation. |
| ドメイン | 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. |
| 翻訳後修飾 | Phosphorylation at Tyr-251 and Tyr-281 activates it. May be phosphorylated by LCK. N-glycosylated. |
| 細胞内局在 | Cell membrane. |

画像



Flow cytometry analysis of C57B1/6 splenocytes (total viable F4/80 positive cells) labelling LAIR1 with ab171239 at 0.125µg (blue line) and with Purified Armenian Hamster IgG control (purple line), followed by anti-Armenian Hamster IgG PE.

Flow Cytometry - Anti-LAIR1 antibody [113] - Low endotoxin, Azide free (ab171239)

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