abcam

Product datasheet

Anti-LILRB1 antibody [GHI/75] ab185325

3 Images

Overview

Product name	Anti-LILRB1 antibody [GHI/75]
Description	Mouse monoclonal [GHI/75] to LILRB1
Host species	Mouse
Tested applications	**Suitable for:** Flow Cyt
Species reactivity	**Reacts with:** Human
Immunogen	Tissue, cells or virus corresponding to Human LILRB1. Hairy cell leukaemia cells Database link: **Q8NHL6**
Positive control	Flow Cyt: Human blood.
General notes	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

Properties

Form	Liquid
Storage instructions	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.
Storage buffer	pH: 7.40 Preservative: 0.097% Sodium azide Constituent: 99% PBS
Purity	Protein A purified
Clonality	Monoclonal
Clone number	GHI/75
Isotype	IgG2b

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab185325 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt		Use a concentration of 1 - 4 µg/ml.

Target

Function Receptor for class I MHC antigens. Recognizes a broad spectrum of HLA-A, HLA-B, HLA-C and HLA-G alleles. Receptor for H301/UL18, a human cytomegalovirus class I MHC homolog. Ligand binding results in inhibitory signals and down-regulation of the immune response. Engagement of LILRB1 present on natural killer cells or T-cells by class I MHC molecules protects the target cells from lysis. Interaction with HLA-B or HLA-E leads to inhibition of the signal triggered by FCER1A and inhibits serotonin release. Inhibits FCGR1A-mediated phosphorylation of cellular proteins and mobilization of intracellular calcium ions.

Tissue specificity Expressed predominantly on B-cells and monocytes, and at lower levels on dendritic cells. Detected on a low percentage of T-cells and natural killer (NK) cells.

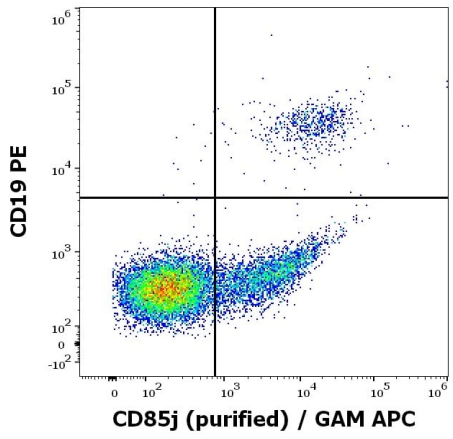
Sequence similarities Contains 4 Ig-like C2-type (immunoglobulin-like) domains.

Domain Contains 4 copies of a cytoplasmic motif that is referred to as the immunoreceptor tyrosine-based inhibitor motif (ITIM). This motif is involved in modulation of cellular responses. The phosphorylated ITIM motif can bind the SH2 domain of several SH2-containing phosphatases.

Post-translational modifications Phosphorylated on tyrosine residues. Dephosphorylated by PTPN6.

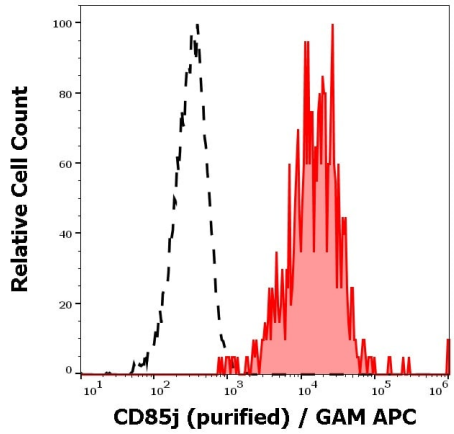
Cellular localization Membrane.

Images



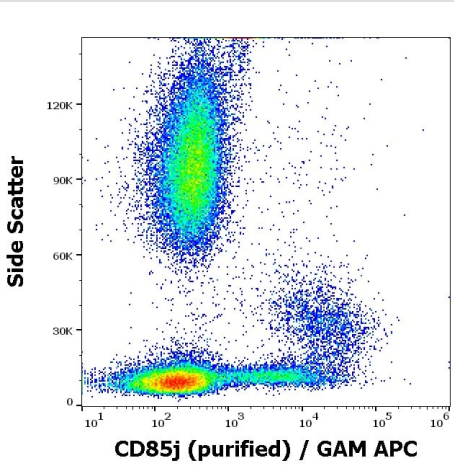
Flow Cytometry - Anti-LILRB1 antibody [GHI/75] (ab185325)

Flow cytometry analysis of human peripheral blood labeling CD85j/LILRB1 using ab185325 at 1 µg/mL. CD19 is labeled using an Anti_human CD19-PE conjugate at 20 µL/100ul blood. Secondary antibody is a Goat Anti-Mouse APB conjugate. Surface staining.



Flow Cytometry - Anti-LILRB1 antibody [GHI/75] (ab185325)

Flow cytometry analysis of human peripheral blood labeling CD85j/LILRB1 using ab185325 at 1 µg/mL. CD85j/LILRB1-positive B-cells (Red) are separated from CD85j/LILRB1-negative neutrophil granulocytes (Black, dashed line). Secondary antibody is a Goat Anti-Mouse APB conjugate. Surface staining.



Flow Cytometry - Anti-LILRB1 antibody [GHI/75] (ab185325)

Flow cytometry analysis of human peripheral blood labeling CD85j/LILRB1 using ab185325 at 1 µg/mL. Secondary antibody is a Goat Anti-Mouse APB conjugate. Surface staining.

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