

ARG23622
anti-CD85j / LIR1 antibody [4F9] (FITC)Package: 50 µg
Store at: 4°C

Summary

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| Product Description | FITC-conjugated Mouse Monoclonal antibody [4F9] recognizes CD85j / LIR1 |
| Tested Reactivity | Hu |
| Tested Application | FACS |
| Host | Mouse |
| Clonality | Monoclonal |
| Clone | 4F9 |
| Isotype | IgG1 |
| Target Name | CD85j / LIR1 |
| Species | Human |
| Immunogen | Monocyte derived dendritic cells. |
| Conjugation | FITC |
| Alternate Names | LIR-1; Leukocyte immunoglobulin-like receptor 1; ILT2; CD85 antigen-like family member J; Immunoglobulin-like transcript 2; LIR1; ILT-2; Leukocyte immunoglobulin-like receptor subfamily B member 1; Monocyte/macrophage immunoglobulin-like receptor 7; CD antigen CD85j; CD85J; MIR7; MIR-7 |

Application Instructions

| Application table | Application | Dilution |
|-------------------|-------------|------------|
| | FACS | Neat - 1:5 |

Application Note FACS: Use 10 µl of the suggested working dilution to label 10⁶ cells in 100 µl.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

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| Form | Liquid |
| Purification | Purification with Protein G. |
| Buffer | PBS, 0.09% Sodium azide and 1% BSA. |
| Preservative | 0.09% Sodium azide |
| Stabilizer | 1% BSA |
| Concentration | 0.1 mg/ml |
| Storage instruction | Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

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| Gene Symbol | LILRB1 |
| Gene Full Name | leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 1 |
| Background | This gene is a member of the leukocyte immunoglobulin-like receptor (LIR) family, which is found in a gene cluster at chromosomal region 19q13.4. The encoded protein belongs to the subfamily B class of LIR receptors which contain two or four extracellular immunoglobulin domains, a transmembrane domain, and two to four cytoplasmic immunoreceptor tyrosine-based inhibitory motifs (ITIMs). The receptor is expressed on immune cells where it binds to MHC class I molecules on antigen-presenting cells and transduces a negative signal that inhibits stimulation of an immune response. It is thought to control inflammatory responses and cytotoxicity to help focus the immune response and limit autoreactivity. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008] |
| 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. [UniProt] |
| Calculated Mw | 71 kDa |
| PTM | Phosphorylated on tyrosine residues. Dephosphorylated by PTPN6. [UniProt] |