

ARG65393 anti-CD197 / CCR7 antibody [4B12] (PE)

Package: 50 µg
Store at: 4°C

Summary

| | |
|---------------------|--|
| Product Description | PE-conjugated Rat Monoclonal antibody [4B12] recognizes CD197 / CCR7 |
| Tested Reactivity | Ms |
| Tested Application | FACS |
| Specificity | The rat monoclonal antibody 4B12 recognizes murine CD197 / CCR7 (chemokine receptor 7), a 43 kDa G-proteincoupled receptor for chemokines CCL19 and CCL21. |
| Host | Rat |
| Clonality | Monoclonal |
| Clone | 4B12 |
| Isotype | IgG2a |
| Target Name | CD197 / CCR7 |
| Species | Mouse |
| Immunogen | Murine CD197-transfected RBL-2H3 cells |
| Conjugation | PE |
| Alternate Names | C-C chemokine receptor type 7; CD197; CD antigen CD197; CCR-7; CC-CCR-7; BLR2; CMKBR7; C-C CCR-7; MIP-3 beta receptor; EBV-induced G-protein coupled receptor 1; EBI1; Epstein-Barr virus-induced G-protein coupled receptor 1; CDw197 |

Application Instructions

| | | |
|-------------------|--|-------------|
| Application table | Application | Dilution |
| | FACS | 1 - 5 µg/ml |
| Application Note | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. | |

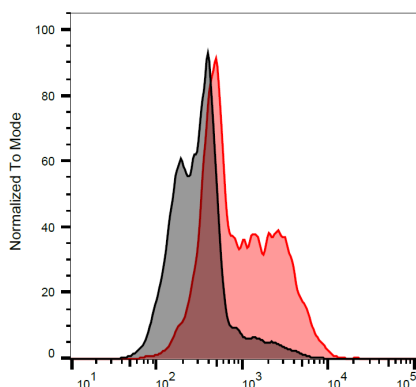
Properties

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|---------------------|--|
| Form | Liquid |
| Purification Note | The purified antibody is conjugated with R-Phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography. |
| Buffer | PBS (pH 7.4) and 15 mM Sodium azide |
| Preservative | 15 mM Sodium azide |
| Concentration | 0.5 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. |

Bioinformation

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|----------------|---|
| Database links | GeneID: 12775 Mouse Swiss-port # P47774 Mouse |
| Gene Symbol | Ccr7 |
| Gene Full Name | chemokine (C-C motif) receptor 7 |
| Background | CD197 / CCR7 (chemokine receptor 7) is a seven membrane-spanning protein serving as a receptor for chemokines CCL19 and CCL21. It is expressed on most naive T cells, some hematopoietic stem cells, mature dendritic cells, NK cells and some memory T cells and B cells subsets. CD197 plays important roles in development of thymocytes, and regulating the recirculation and homing of lymphocytes and dendritic cells to secondary lymphoid organs. |
| Function | Receptor for the MIP-3-beta chemokine. [UniProt] |
| Research Area | Immune System antibody; Signaling Transduction antibody |
| Calculated Mw | 43 kDa |

Images



ARG65393 anti-CD197 / CCR7 antibody [4B12] (PE) FACS image

Flow Cytometry: Separation of unstained (black) and stained (red) murine splenocytes. Cells were stained with ARG65393 anti-CD197 / CCR7 antibody [4B12] (PE) at 9 µg/ml dilution.