

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-CKR-7; BLR2; CMKBR7; C-C CKR-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.

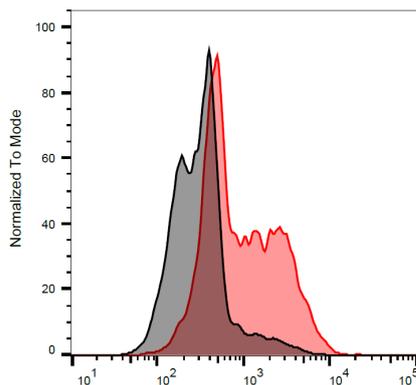
Properties

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

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.