

ARG65392 anti-CD197 / CCR7 antibody [4B12]

Package: 100 µg
Store at: -20°C

Summary

Product Description	Rat Monoclonal antibody [4B12] recognizes CD197 / CCR7
Tested Reactivity	Ms
Tested Application	CyTOF®-candidate, FACS, IP
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	Un-conjugated
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; EB11; Epstein-Barr virus-induced G-protein coupled receptor 1; CDw197

Application Instructions

Application table	Application	Dilution
	CyTOF®-candidate	Assay-dependent
	FACS	1 - 4 µg/ml
	IP	Assay-dependent
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

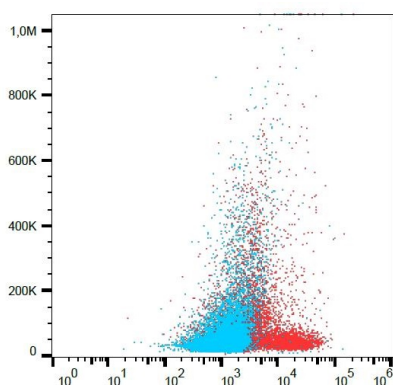
Form	Liquid
Purification	Purified from cell culture supernatant by protein-G affinity chromatography.
Purity	> 95% (by SDS-PAGE)
Buffer	PBS (pH 7.4) and 15 mM Sodium azide
Preservative	15 mM Sodium azide
Concentration	1 mg/ml

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. 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

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]
Highlight	Related products: CD197 antibodies ; Anti-Rat IgG secondary antibodies ; Related news: CyTOF-candidate Antibodies
Research Area	Immune System antibody; Signaling Transduction antibody
Calculated Mw	43 kDa

Images



ARG65392 anti-CD197 / CCR7 antibody [4B12] FACS image

Flow Cytometry: Unstained (blue) and stained (red) Murine splenocytes. Cells were stained with ARG65392 anti-CD197 / CCR7 antibody [4B12] at 4 µg/ml dilution, followed by APC-conjugated Donkey anti-Rat antibody.