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**Target Details** 

Target:

CCR7

anti-CCR7 antibody (PE)



**Publications** 



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Overview	
Quantity:	0.1 mg
Target:	CCR7
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This CCR7 antibody is conjugated to PE
Application:	Flow Cytometry (FACS)
5 5	

# **Product Details** Murine CD197-transfected RBL-2H3 cells Immunogen: 4B12 Clone: Isotype: IgG2a kappa Specificity: The rat monoclonal antibody 4B12 recognizes an extracellular epitope of murine CD197 / CCR7 (chemokine receptor 7), a 43 kDa G-protein-coupled receptor for chemokines CCL19 and CCL21. Cross-Reactivity (Details): Mouse Purification: Purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. Unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.

# **Target Details**

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Alternative Name:	CD197 / CCR7 (CCR7 Products)
Background:	Chemokine (C-C motif) receptor 7,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.,CCR7, CC-CKR-7, EBI1
Gene ID:	12775
UniProt:	P47774
Pathways:	Regulation of Actin Filament Polymerization, Positive Regulation of Immune Effector Process
Application Details	
Application Notes:	Flow cytometry: Recommended dilution: 1-5 µg/mL.
Comment:	The purified antibody is conjugated with R-Phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography.
Restrictions:	For Research Use only
Handling	
Concentration:	0.5 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Do not freeze. Avoid prolonged exposure to light.  Do not use after expiration date stamped on vial label.  Short-term exposure to room temperature should not affect the quality of the reagent. However, if reagent is stored under any conditions other than those specified, the conditions must be verified by the user.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.

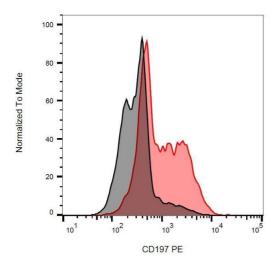
Product cited in:

Adachi, Osada, Nakamura, Tamada, Hamano: "Unique T cells with unconventional cytokine profiles induced in the livers of mice during Schistosoma mansoni infection." in: **PLoS ONE**, Vol. 8, Issue 12, pp. e82698, (2013) (PubMed).

Eisenbarth, Williams, Colegio, Meng, Strowig, Rongvaux, Henao-Mejia, Thaiss, Joly, Gonzalez, Xu, Zenewicz, Haberman, Elinav, Kleinstein, Sutterwala, Flavell: "NLRP10 is a NOD-like receptor essential to initiate adaptive immunity by dendritic cells." in: **Nature**, Vol. 484, Issue 7395, pp. 510-3, (2012) (PubMed).

Huggins, Paschalidis, Flower, Perretti, DAcquisto: "Annexin-1-deficient dendritic cells acquire a mature phenotype during differentiation." in: **FASEB journal : official publication of the Federation of American Societies for Experimental Biology**, Vol. 23, Issue 4, pp. 985-96, (2009) (PubMed).

## **Images**



### **Flow Cytometry**

**Image 1.** Surface staining of murine splenocytes cells with anti-CD197 (4B12) PE.