

Datasheet for ABIN1981865

**anti-CCR7 antibody**[Go to Product page](#)**1** Image**2** Publications

## Overview

Quantity:	0.1 mg
Target:	CCR7
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This CCR7 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunoprecipitation (IP)

## Product Details

Immunogen:	Murine CD197-transfected RBL-2H3 cells
Clone:	4B12
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 by protein-G affinity chromatography.
Purity:	> 95 % (by SDS-PAGE)

## Target Details

Target:	CCR7
Alternative Name:	CD197 / CCR7 ( <a href="#">CCR7 Products</a> )
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:	<a href="#">P47774</a>
Pathways:	<a href="#">Regulation of Actin Filament Polymerization</a> , <a href="#">Positive Regulation of Immune Effector Process</a>

## Application Details

Application Notes:	Flow cytometry: Recommended dilution: 1-4 µg/mL.
Restrictions:	For Research Use only

## Handling

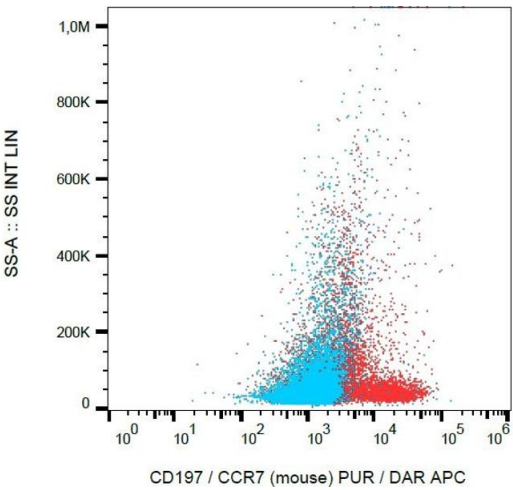
Concentration:	1 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Do not freeze. Do not use after expiration date stamped on vial label.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.

## Publications

Product cited in:	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: <b>Nature</b> , Vol. 484, Issue 7395, pp.
-------------------	---

510-3, (2012) ([PubMed](#)).

Huggins, Paschalidis, Flower, Perretti, D'Acquisto: "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](#)).



Flow Cytometry

**Image 1.** Flow cytometry surface staining pattern of murine splenocytes stained using anti-mouse CD197 (4B12) purified antibody (concentration in sample 4 µg/mL, DAR APC, red) and murine splenocytes unstained by primary antibody (DAR APC, blue).