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# Datasheet for ABIN477139 anti-CCR7 antibody (Cy7,PE)

2 Images



#### Overview

Quantity:	100 µg
Target:	CCR7
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This CCR7 antibody is conjugated to Cy7,PE
Application:	Flow Cytometry (FACS)

## Product Details

Immunogen:	Mouse CCR7
Clone:	4B12
lsotype:	IgG2a kappa
Purification:	Affinity purified

### Target Details

Target:	CCR7
Alternative Name:	CCR7 (CCR7 Products)
Background:	Name/Gene ID: CCR7 Subfamily: Chemokine
	Family: GPCR

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	Synonyms: CCR7, BLR2, Chemokine (C-C) receptor 7, CD197, C-C CKR-7, CMKBR7, CC
	chemokine receptor 7, CCR-7, CD197 antigen, CDw197, EBI1, EVI1, MIP-3 beta receptor, C-c
	chemokine receptor 7, C-C chemokine receptor type 7, CC-CKR-7, Chemokine c-c motif receptor
	7
Gene ID:	1236
Gene ID: UniProt:	1236 P32248

#### **Application Details**

Application Notes:

#### Approved: Flo

Usage: The 4B12 antibody has been tested by flow cytometric analysis of C57BL/6, Balb/C and SJL/J splenocytes and thymocytes. Important: Staining with the 4B12 monoclonal antibody requires different conditions than typically used for surface-antigen staining. Please use the protocol below. Moreover, we have found that staining at 37 °C, rather than 4 °C, results in brighter 4B12 staining, as well as better resolution between positive and negative populations. Please see data for the PE 4B12 (LS-C106090) which demonstrates a comparison of staining at 4 °C and 37 °C. Staining with 4B12 at 37 °C is not expected to interfere with co-staining other antigens, however this should be evaluated for individual experiments.1. Prepare cell suspension as normal and block FcgammaIIIR/FcgammaIIR with 5 µg/million cells purified anti-mouse CD16/32 (LS-C107169) for 15 minutes on ice. If red blood cell lysis is carried out as part of cell preparation, ensure that fixatives are not present in the red blood cell lysis solution as this will eliminate 4B12 staining. Protocol for RBC Lysis of Mouse Spleen.2. Without washing, add 1 µg/million cells 4B12 and incubate in a 37 °C water bath or at 4 °C (please see notes above) for 0.5 hours.3. Wash cells 1X with 3 mL of Flow Cytometry Staining Buffer and decant supernatant.4. Analyze cells on flow cytometer or proceed with secondary staining on ice as normal. Note: Co-staining mouse CCR7 with the 4B12 antibody and the CCR7 ligand CCL19-Fc may be difficult due to different binding conditions required for the antibody versus the ligand, and steric hindrance which may prevent co-staining of 4B12 and CCL19-Fc. Crossblocking experiments have demonstrated that 4B12 binding is able to prevent the detectable binding of CCL19-Fc, however not the opposite. Furthermore, the correlation between 4B12 and CCL19-Fc staining may be difficult to predict due to the presence of unknown CCL19-Fc receptors in addition to CCR7. The applications listed have been tested for the unconjugated form of this product. Other forms have not been tested.

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Application Details		on Details	Application
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Comment:	Target Species of Antibody: Mouse
Restrictions:	For Research Use only

# Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Aqeous buffer, 0.09 % sodium azide, may contain carrier protein/stabilizer
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. Product is photosensitive and should be protected from light.
Storage:	4 °C
Storage Comment:	Store at 4°C. Do not freeze. Protect from light.

## Images

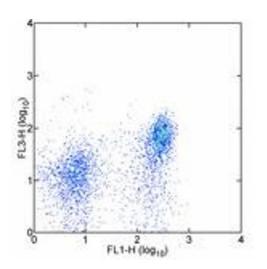


Image 1.

Images

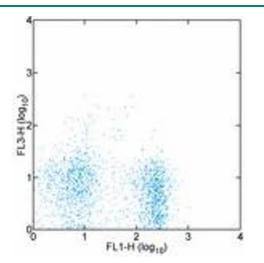


Image 2.

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