

Anti-C-C chemokine receptor type 7 CCR7 Antibody

Catalog Number: PA1017

About CCR7

Schweickart et al. identified CCR7 (also known as EBI1) in 1994, which is a lymphoid-specific member of the G protein-coupled receptor family. This gene, which is encoded on human chromosome 17q12-q21.2, is expressed in normal lymphoid tissues and in several B- and T-lymphocyte cell lines with 86% identity to the mouse homolog. It is also related to the receptors that recognize chemoattractants, such as interleukin-8, RANTES, C5a, and fMet-Leu-Phe. Expression of CCR7 controls homing to secondary lymphoid organs, divides human memory T cells into two functionally distinct subsets.

Overview

Product Name	Anti-C-C chemokine receptor type 7 CCR7 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-C-C chemokine receptor type 7 CCR7 Antibody catalog # PA1017. Tested in WB applications. This antibody reacts with Human, Mouse, Rat.
Conjugate	FITC
Application	WB
Clonality	Monoclonal BAM-10
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ .
Storage Instructions	The product should be stored undiluted at 4°C and should be protected from prolonged exposure to light. Do not freeze.
Host	Hamster
Uniprot ID	P32248

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminal of rat CCR7, different from the related mouse sequence by one amino acid, and from human sequence by two amino acids
Predicted Reactive Species	Hamster
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross reactivity with other proteins
Form	Lyophilized
Concentration	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Purification	Immunogen Affinity Purified
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Western blot, 0.1-0.5ug/ml, Human, Rat, Mouse</p>

2 Publications Citing This Product

1. PubMed ID: 25798926, Mo M, Zhou M, Wang L, Qi L, Zhou K, Liu Lf, Chen Z, Zu Xb. Plos One. 2015 Mar 23;10(3):E0119506. Doi: 10.1371/Journal.Pone.0119506. Ecollection 2015. Ccl21/Ccr7 Enhances The Proliferation, Migration, And Invasion Of Human Bladder Cancer T24 Cells.
2. PubMed ID: 20363594, Yang Y, Yuan Y, Tao Y, Wang W. Nutrition. 2011 Feb;27(2):227-32. Doi: 10.1016/J.Nut.2009.11.024. Epub 2010 Apr 3. Effects Of Vitamin A Deficiency On Mucosal Immunity And Response To Intestinal Infection In Rats.

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