

Polyclonal Anti-C-C Chemokine Receptor 7, **CCR7**

Catalogue No. PA1017

Lot No. 0101112041762

Ig type: rabbit IgG

Size: 100µg/vial

Form: lyophilized

Specificity

Human, rat, mouse.

No cross reactivity with other proteins.

Recommended application

Western blot

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.

Purification

Immunogen affinity purified.

Application

	Concentration	Tested Species	Concluded Species	Antigen Retrieval
WB	0.1-0.5µg/ml	Hu, Rat	Ms	-

Other applications have not been tested.

Optimal dilutions should be determined by end user.

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg Thimerosal, 0.05mg NaN₃.

Reconstitution

0.2ml of distilled water will yield a concentration of 500µg/ml.

Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time.

Avoid repeated freezing and thawing.

Relevant detection systems

Boster provides a series of assays reacted with primary antibodies. Antibody can be supported by chemiluminescence kit EK1002 in WB.

BACKGROUND

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.

REFERENCE

1. Schweickart VL, Raport CJ, Godiska R, Byers MG, Eddy RL Jr, Shows TB, Gray PW. Cloning of human and mouse EBI1, a lymphoid-specific G-protein-coupled receptor encoded on human chromosome 17q12-q21.2. *Genomics*. 1994 Oct; 23(3):643-50.
2. Sallusto F, Lenig D, Forster R, Lipp M, Lanzavecchia A. Two subsets of memory T lymphocytes with distinct homing potentials and effector functions. *Nature*. 1999 Oct 14; 401(6754):708-12.