



## Product Information Sheet

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

**Catalogue No.** PA1017

**Lot No.** 0101112011762

**Ig type:** rabbit IgG

**Size:** 100µg/vial

#### Specificity

Human, rat.

No cross reactivity with other proteins.

#### Recommended application

Western blot

#### Immunogen

A synthetic peptide corresponding to a sequence mapping at the N-terminal of human CCR7, different from the related rat and mouse sequence by a single amino acid.

#### Purity

Immunogen affinity purified.

#### Application

	Concentration	Tested Species	Concluded Species	Antigen Retrieval
WB	1µg/ml	Hu, Rat	Ms	-
IHC-P	-	-	-	-
IHC-F	-	-	-	-
ICC	-	-	-	-

*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 Na<sub>2</sub>HPO<sub>4</sub>, 0.05mg Thimerosal, 0.05mg NaN<sub>3</sub>.

#### 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 longer time.

To reorder contact us at:

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## **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.