



## Product Information Sheet

### Polyclonal Anti-C-C Chemokine receptor 6, **CCR6**

**Catalogue No.** PA1201

**Lot No.** 08L01

**Ig type** rabbit IgG

**Size** 100µg/vial

**Specificity**

Human, mouse, rat.

No cross reactivity with other proteins.

**Recommended application**

*Western blot*

*Immunohistochemistry(P)*

**Immunogen**

A synthetic peptide corresponding to a sequence at the N-terminal of human CCR6, identical to the related rat and mouse sequence.

**Purity**

Immunogen affinity purified.

**Application**

	Concentration	Tested Species	Concluded Species	Antigen Retrieval
WB	0.75µg/ml	Hu, Rat	Ms	-
IHC-P	0.5-1µg/ml	Hu, Rat	Ms	By Heat
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.

**To reorder contact us at:**

**Antagene, Inc.**

**Toll Free: 1(866)964-2589**

**email: Info@antageneinc.com**

**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.

## BACKGROUND

CCR6, also termed CKRL3, encodes a 369-amino acid polypeptide with greatest similarity to the family of alpha-chemokine-binding receptors<sup>1</sup>. Unlike most chemokine receptor genes, it is encoded by more than 1 exon<sup>2</sup>. Weakly expressed as a 4-kb transcript in spleen, lymph nodes, peripheral blood lymphocytes and appendix, CCR6 gene is located at 6q27. As the receptor for MIP-3-alpha, its activation leads to phospholipase C-dependent intracellular Ca(2+) mobilization. Additionally, CCR6 are markedly upregulated in psoriasis<sup>3</sup>.

## REFERENCE

1. Zaballos, A.; Varona, R.; Gutierrez, J.; Lind, P.; Marquez, G. : Molecular cloning and RNA expression of two new human chemokine receptor-like genes. *Biochem. Biophys. Res. Commun.* 227: 846-853, 1996.
2. Liao, F.; Lee, H.-H.; Farber, J. M. : Cloning of STRL22, a new human gene encoding a G-Protein-coupled receptor related to chemokine receptors and located on chromosome 6q27. *Genomics* 40: 175-180, 1997.
3. Homey, B.; Dieu-Nosjean, M.-C.; Wiesenborn, A.; Massacrier, C.; Pin, J.-J.; Oldham, E.; Catron, D.; Buchanan, M. E.; Muller, A.; de Waal Malefyt, R.; Deng, G.; Orozco, R.; Ruzicka, T.; Lehmann, P.; Lebecque, S.; Caux, C.; Zlotnik, A. : Up-regulation of macrophage inflammatory protein-3-alpha/CCL20 and CC chemokine receptor 6 in psoriasis. *J. Immun.* 164: 6621-6632, 2000.