



Polyclonal Anti-C-C Chemokine receptor 6, CCR6 (Sepharose Bead Conjugate)

Catalogue No. PA1201-S

Lot No. 08L01

Ig type: rabbit IgG

Size: 100µg/vial

Specificity

Human, mouse, rat. No cross reactivity with other proteins.

Recommended application

(Immunoprecipitation(IP))

Immunogen

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

Purification

Immunogen affinity purified.

Formulation

50% slurry in PBS pH 7.2 with 0.01mg NaN₃ preservative.

Storage

Store at 4°C for frequent use.

Description:

This Antagene antibody is immobilized via covalent binding of primary amino groups to N-hydroxysuccinimide (NHS)-activated sepharose beads. It is useful for immunoprecipitation assays

BACKGROUND

CCR6, also termed CKRL3, encodes a 369-amino acid polypeptide with greatest similarity to the family of alpha-chemokine-binding receptors¹. Unlike most chemokine receptor genes, it is encoded by more than 1 exon². 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 psoriasis³.

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.

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