



## Polyclonal Anti-C-X-C Chemokine receptor 2, **CXCR2** (Sepharose Bead Conjugate)

**Catalogue No.** PA1029-S

**Lot No.** 09A01

**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 mapping at the middle region of human CXCR2, different from the mouse sequence by six amino acids.

**Purification**

Immunogen affinity purified.

**Formulation**

50% slurry in PBS pH 7.2 with 0.01mg NaN<sub>3</sub> 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

CXCR2 is a receptor for Interleukin 8, which is a powerful neutrophil chemotactic factor. It is a member of the GPCR family (subfamily, chemokine). Binding of IL8 to the receptor causes activation of neutrophils. This response is mediated via a G-protein that activate a phosphatidylinositol-calcium second messenger system. This receptor binds to IL8 with a high affinity and to GRO/MGSA and NAP2 also with a high affinity. It has been reported to be expressed in a wide variety of tissues. ESTs have been isolated from human placenta and thymus libraries.

### REFERENCE

1. Murphy P.M., Tiffany H.L.,"Cloning of complementary DNA encoding a functional human interleukin-8 receptor."; Science 253:1280-1283(1991).
2. Cerretti D.P., Kozlosky C.J., Vanden Bos T., Nelson N., Gearing D.P., Beckmann M.P.; "Molecular characterization of receptors for human interleukin-8, GRO/melanoma growth-stimulatory activity and neutrophil activating peptide-2."; Mol. Immunol. 30:359-367(1993).
3. Sprenger H., Lloyd A.R., Lautens L.L., Bonner T.I., Kelvin D.J.,"Structure, genomic organization, and expression of the human interleukin-8 receptor B gene.";J. Biol. Chem. 269:11065-11072(1994).

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