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

Catalogue No. PA1029-M

Lot No. 09A01

Ig type: rabbit IgG

Size: 100µg/vial

Specificity
Human, 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.

Purity
Immunogen affinity purified.

Contents
Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg NaN$_3$.

Storage
Store at 4˚C for frequent use.

Description
This Antagene antibody is immobilized by the covalent reaction of hydrazinonicotinamide-modified antibody with formylbenzamide-modified magnetic beads. It is useful for immunoprecipitation

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).