



## Product Information Sheet

### Polyclonal Anti- Interleukin 8, *IL-8* (Magnetic Bead Conjugate)

**Catalogue No.** PA1353-M

**Immunogen**

A synthetic peptide corresponding to a sequence at the C-terminal of human IL-8 (77-95 aa), identical to the related mouse and rat sequence.

**Lot No.** 01310120853124

**Ig type** rabbit IgG

**Purity**

Immunogen affinity purified.

**Size** 100µg/vial

**Contents**

Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg NaN<sub>3</sub>.

**Specificity**

Human

No cross reactivity with other proteins.

**Storage**

Store at 4°C for frequent use.

**Recommended application**

ImmunoPrecipitation (IP)

**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

Interleukin-8 (IL-8) is a chemokine produced by macrophages and other cell types such as epithelial cells. It is also synthesized by endothelial cells, which store IL-8 in their storage vesicles, the Weibel-Palade bodies. In humans, the interleukin-8 protein is encoded by the *IL8* gene. Interleukin-8 (IL8) is a member of the CXC chemokine family (Hull et al., 2001). IL-8 is believed to play a role in the pathogenesis of bronchiolitis, a common respiratory tract disease caused by viral infection. This gene and other ten members of the CXC chemokine gene family form a chemokine gene cluster in a region mapped to chromosome 4q. The genes for IL8 have been co-localized on a 335-kb genomic fragment.

### REFERENCE

- 1、Wolff B, Burns AR, Middleton J, Rot A (November 1998). "Endothelial cell "memory" of inflammatory stimulation: human venular endothelial cells store interleukin 8 in Weibel-Palade bodies".
- 2、Utgaard JO, Jahnsen FL, Bakka A, Brandtzaeg P, Haraldsen G (November 1998). "Rapid secretion of prestored interleukin 8 from Weibel-Palade bodies of microvascular endothelial cells".
- 3、Modi WS, Dean M, Seuanez HN, Mukaida N, Matsushima K, O'Brien SJ (January 1990). "Monocyte-derived neutrophil chemotactic factor (MDNCF/IL-8) resides in a gene cluster along with several other members of the platelet factor 4 gene superfamily".
- 4、"Entrez Gene: IL8 interleukin 8".
- 5、Köhidaï L, Csaba G (July 1998). "Chemotaxis and chemotactic selection induced with cytokines (IL-8, RANTES and TNF-alpha) in the unicellular Tetrahymena pyriformis".
- 6、O'Donovan, N., Galvin, M., Morgan, J. G. Physical mapping of the CXC chemokine locus on human chromosome 4. Cytogenet.

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