



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 NaN₃.

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

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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".
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