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## Product Information Sheet

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### **Polyclonal Anti- Interleukin 10, *IL-10* (Magnetic Bead Conjugate)**

**Catalogue No.** PA1354-M

**Lot No.** 01310121054124

**Ig type** rabbit IgG

**Size** 100µg/vial

**Specificity**

Human

No cross reactivity with other proteins.

**Recommended application**

immunoprecipitation.

**Immunogen**

A synthetic peptide corresponding to a sequence at the N-terminal of human IL-10 (46-60 aa), identical to the related mouse and rat sequence.

**Purity**

Immunogen affinity purified.

**Contents**

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

**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**

Interleukin-10 (IL-10 or IL10), also known as human cytokine synthesis inhibitory factor (CSIF), is an anti-inflammatory cytokine. In humans IL-10 is encoded by the *IL10* gene. It is capable of inhibiting synthesis of pro-inflammatory cytokines like IFN-γ, IL-2, IL-3, TNFα and GM-CSF made by cells such as macrophages and regulatory T-cells. IL-10 also displays potent abilities to suppress the antigen presentation capacity of antigen presenting cells. Kim et al. (1992) showed that the mouse IL10 gene contains 5 exons and spans about 5.2 kb of genomic DNA. Eskdale et al. (1997) mapped the IL10 gene to the junction between 1q31 and 1q32.

### **REFERENCE**

1. Eskdale J, Kube D, Tesch H, Gallagher G (1997). "Mapping of the human IL10 gene and further characterization of the 5' flanking sequence".

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