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## Product Information Sheet

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### **Polyclonal Anti- Cystatin C (*Magnetic Bead Conjugate*)**

**Catalogue No.** PA1369-M

**Lot No.** 0131112016927

**Ig type** rabbit IgG

**Size** 100µg/vial

**Specificity**

Human.

No cross reactivity with other proteins.

**Recommended application**

ImmunoPrecipitation (IP)

**Immunogen**

A synthetic peptide corresponding to a sequence at the C-terminal of human Cystatin C (45-63aa), 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**

Cystatin C or cystatin 3, a protein encoded by the CST3 gene, is mainly used as a biomarker of kidney function. Recently, it has been studied for its role in predicting new-onset or deteriorating cardiovascular disease. It also seems to play a role in brain disorders involving amyloid, such as Alzheimer's disease. By human-rodent somatic cell hybridizations, Abrahamson et al. (1989) mapped the human CST3 to chromosome 20. Cystatin C was originally described as a constituent of normal cerebrospinal fluid (CSF) and of urine from patients with renal failure (Grubb and Lofberg, 1982). It is present in a number of neuroendocrine cells and its concentration in the CSF was reported to be 5.5 times that in plasma of healthy adults (Lofberg and Grubb, 1979; Lofberg et al., 1981; Lofberg et al., 1983). Grubb and Lofberg (1982) detected the protein in human pituitary gland, and suggested that it is part of the gastroenteropancreatic neuroendocrine system.

## **REFERENCE**

1. "Alzforum: AlzGene