



Product Information Sheet

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 NaN₃.

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