Product Information Sheet

Monoclonal Anti-Pan-Cadherin- Magnetic Bead Conjugate

Catalogue No. MA1079-M

Lot No. 08A12

Clone: PC-79

Ig type: mouse IgG1

Size: 200µl

Specificity

Human, mouse, rat, rabbit, chicken, snake.

No cross reactivity with other proteins.

Immunogen

Synthetic peptide corresponding to the C-terminal amino acids of chicken N-Cadherin with an extra N-terminal lysine residue (24 amino acids) coupled to KLH.

Purification

Purified by the goat anti-mouse IgG affinity chromatography.

Formulation

Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg NaN_3.

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 beads. It is useful for immunoprecipitation.

BACKGROUND

Cadherins are calcium-dependent cell-cell adhesion molecules that mediate cell-cell binding in a homophilic manner. They play an important role in the growth and development of cells via the mechanisms of control of tissue architecture and the maintenance of tissue integrity. Cadherin expression is regulated spatially as well as temporally. Cadherins are thought to play an important role in development and maintenance of tissues through selective cell-cell adhesion activity and may be involved also in the invasion and metastasis of malignant tumors. Cadherin regulates dendritic spine morphogenesis. A cadherin gene cluster is mapped to a region of chromosome 5 subject to frequent allelic loss in carcinoma

REFERENCE

1 Togashi, H.; Abe, K.; Mizoguchi, A.; Takaoka, K.; Chisaka, O.; Takeichi, M. : Cadherin regulates dendritic spine morphogenesis. *Neuron* 35: 77-89, 2002.

2 Chalmers, I. J.; Hofler, H.; Atkinson, M. J. : Mapping of a cadherin gene cluster to a region of chromosome 5 subject to frequent allelic loss in carcinoma. *Genomics* 57: 160-163, 1999.