



Product Information Sheet

Monoclonal Anti-Pan-Cadherin (Sephadex Bead Conjugate)

Catalogue No. MA1079-S

Lot No. 08A12

Clone: PC-79

Ig type: mouse IgG1

Size: 200µl

Specificity

Human, mouse, rat, rabbit, chicken.

No cross reactivity with other proteins.

Recommended application

Immunoprecipitation(IP)

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

50% slurry in PBS pH 7.2 with 0.01mg NaN₃ preservative.

Storage

Store at 4°C for frequent use.

Description:

This Antagene antibody is immobilized via covalent binding of primary amino groups to N-hydroxysuccinimide (NHS)-activated sephadex beads. It is useful for immunoprecipitation assays

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.

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