



Product Information Sheet

Polyclonal Anti-Neural cell adhesion molecule 1, *NCAM1 (CD56)*(Magnetic Bead conjugate)

Catalogue No. PA1055-M

Immunogen

A synthetic peptide corresponding to the C-terminal end of human CD56, different from the related rat sequence by single amino acid.

Lot No. 03A01

Ig type: rabbit IgG

Purity

Immunogen affinity purified.

Size: 200µl

Contents

Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg NaN₃.

Specificity

Human, mouse, rat.

No cross reactivity with other proteins.

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 magnetic beads. It is useful for immunoprecipitation.

BACKGROUND

NCAM is a membrane-bound glycoprotein that plays a role in cell-cell and cell-matrix adhesion through both its homophilic and heterophilic binding activity. The neural cell adhesion molecule appears on early embryonic cells and is important in the formation of cell collectives and their boundaries at sites of morphogenesis. Later in development it is found on various differentiated tissues and is a major CAM mediating adhesion among neurons and between neurons and muscle. NCAM gene is mapped to 11q23. The neural cell adhesion molecule (NCAM) can influence a number of diverse intercellular events, including junctional communication, the association of axons with pathways and targets, and signals that alter levels of neurotransmitter enzymes.

REFERENCE

1. Nguyen, C.; Mattei, M. G.; Mattei, J.-F.; Santoni, M.-J.; Goridis, C.; Jordan, B. R. : Localization of the human NCAM gene to band q23 of chromosome 11: the third gene coding for a cell interaction molecule mapped to the distal portion of the long arm of chromosome 11. J. Cell Biol. 102: 711-715, 1986.
2. Telatar, M.; Lange, E.; Uhrhammer, N.; Gatti, R. A. : New localization of NCAM, proximal to DRD2 at chromosome 11q23. Mammalian Genome 6: 59-60, 1995.
3. Rutishauser, U.; Acheson, A.; Hall, A. K.; Mann, D. M.; Sunshine, J. : The neural cell adhesion molecule (NCAM) as a regulator of cell-cell interactions. Science 240: 53-57, 1988.

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