Polyclonal Anti-Neural cell adhesion molecule 1, ***NCAM1 (CD56)*** **(Sepharose Bead Conjugate)**

Catalogue No. PA1055-S

Lot No. 03A01

Ig type: rabbit

IgG **Size:** 100µg/vial

Specificity

Human, mouse, rat.
No cross reactivity with
other proteins.

Recommended application

Immunoprecipitation(IP)

Immunogen

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

Purification

Immunogen affinity purified.

Formulation

50% slurry in PBS pH 7.2 with 0.01mg NaN_3a_3 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 sepharose beads. It is useful for immunoprecipitation assays

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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