Product Informatiion Sheet

Monoclonal Anti-Neural Cell Adhesion Molecule, *NCAM* (Sepharose Bead Conjugate)

Catalogue No. MA1068-S

Lot No. 08A12

Clone: IML-43

Ig type: mouse IgG1

Size: 100µg/vial

Specificity

Human, rat.
No cross reactivity with other
proteins.

Recommended application

Immunoprecipitation(IP)

Immunogen

Growth cone enriched plasma membrane fraction from E17rat forebrain.

Purification

Purified by the goat anti-mouse IgG affinity chromatography.

Formulation

50% slurry in PBS pH 7.2 with 0.01mg NaN3a3 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

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 shares many features with immunoglobulins and is considered a member of the immunoglobulin superfamily NCAM gene is mapped to 11q23.1.

REFERENCE

1. Cunningham, B. A.; Hemperly, J. J.; Murray, B. A.; Prediger, E. A.; Brackenbury, R.; Edelman, G. M. : Neural cell adhesion molecule: structure, immunoglobulin-like domains, cell surface modulation, and alternative RNA splicing. *Science* 236: 799-806, 1987. 2 D'Eustachio, P.; Owens, G. C.; Edelman, G. M.; Cunningham, B. A. : Chromosomal location of the gene encoding the neural cell adhesion molecule (N-CAM) in the mouse. *Proc. Nat. Acad. Sci.* 82: 7631-7635, 1985.

3 . Nguyen, C.; Mattei, M. G.; Goridis, C.; Mattei, J. F.; Jordan, B. R. : Localization of the human N-CAM gene to chromosome 11 by in situ hybridization with a murine N-CAM cDNA probe. (Abstract) *Cytogenet. Cell Genet.* 40: 713 only, 1985.