



Product Information Sheet

Monoclonal Anti-Neurofilament 200 (Phos. and Nonphos.) **NF200** (Sephacrose Bead Conjugate)

Catalogue No. MA1071-S

Lot No. 08A12

Clone: NF-68

Ig type: mouse IgG1

Size: 200µl

Specificity

Human, mouse, rat.

No cross reactivity with other proteins.

Recommended application

Immunoprecipitation(IP)

Immunogen

C-terminal segment of enzymatically dephosphorylated pig Neurofilament 200.

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 sephacrose beads. It is useful for immunoprecipitation assays

BACKGROUND

Neurofilaments are composed of 3 neuron-specific proteins with apparent molecular masses of 68 kD (NFL), 125 kD (NFM), and 200 kD (NFH) on SDS-gel electrophoresis. Genomic clones for the largest human neurofilament protein (NF-H) were isolated, the intron/exon boundaries mapped and the entire protein-coding regions (exons) sequenced. mutations in neurofilaments have been linked to some forms of Charcot-Marie-Tooth disease (CMT)

REFERENCE

1. Lees, J. F.; Shneidman, P. S.; Skuntz, S. F.; Carden, M. J.; Lazzarini, R. A. : The structure and organization of the human heavy neurofilament subunit (NF-H) and the gene encoding it. EMBO J. 7: 1947-1955, 1988.
2. Brownlees, J.; Ackerley, S.; Grierson, A. J.; Jacobsen, N. J. O.; Shea, K.; Anderton, B. H.; Leigh, P. N.; Shaw, C. E.; Miller, C. C. J. : Charcot-Marie-Tooth disease neurofilament mutations disrupt neurofilament assembly and axonal transport. Hum. Molec. Genet. 11: 2837-2844, 2002.

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