



Monoclonal Anti-Rat Neurocan

Code: 370715

Lot. : 02301

Size: 0.2mg/vial

Description

Clone	1G2
Isotype	Mouse IgG1, κ-chain
Physical state	Liquid
Buffer	Phosphate buffered-saline (-) (PBS(-))
Stabilizer	None
Preservative	0.02% sodium azide
Purification	Affinity purified by Protein A-Cellulofine
Concentration	1.0mg/mL (Immunoglobulin fractions)
Package size	200µL/vial
Immunogen	Chondroitin sulfate proteoglycans purified from 10-day-old rat brains

Specificity:

Recognition;	C-terminal half of rat neurocan core glycoprotein (approximately 150 kDa under reducing conditions)
Localization;	Central nervous system
Comment;	Molecular mass of the full length core glycoprotein of rat neurocan is approximately 220 kDa, so this monoclonal antibody recognizes it too. 220kDa of neurocan is expressed significantly in the immature brain, whereas 150 kDa of it is expressed significantly in the mature brain.

Recommend Applications: The exact dilution must be determined by the researcher.

Immunohistochemistry	Paraffin section; available Frozen section; 1:100
ELISA	Available
Western blotting	1:1,000
Immunoprecipitation	Available

Storage: Stored at 4°C until opened. Diluted material should be used within a week.
Avoid repeated freezing and thawing.

References:

- 1) Oohira, A., et al.: *Neuroscience*, **60**, 145-157(1994)
- 2) Matsui, F., et al.: *Neurochem. Int.*, **25**, 425-431(1994)
- 3) Watanabe, E., et al.: *Eur. J. Neurosci.*, **7**, 547-554(1995)
- 4) Preobrazhensky, A. A., et al.: *Neurochem. Res.*, **22**, 133-140(1997)
- 5) Fukuda, T., et al.: *J. Comp. Neurol.*, **382**, 141-152(1997)
- 6) Matsui, F., et al.: *Brain Res.*, **790**, 45-51(1998)

Note: For *in vitro* research use only, not for diagnostic or therapeutic use. This product is not medical device.
This product is warranted for a period of one year after date of receipt when storage and usage conditions are adhered to as described on the package insert.

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