



**5B8**

**INVESTIGATOR**

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**IMMUNOGEN**

**Substance**  
**Name** rat embryonic spinal cord membranes  
**Origin** Dounced fresh, or frozen tissue  
**Chemical Composition**  
**Developmental Stage** embryonic day 15 or 18

**IMMUNIZATION PROTOCOL**

**Donor Animal**  
**Species** mouse  
**Strain** BALB/c  
**Sex** female  
**Organ and tissue** spleen  
**Immunization**  
**Dates immunized** 5/8/86, 5/23/86, 6/19/86, 9/15/86  
**Amount of antigen** 100-200 µg  
**Route of immunization** IP and SC or IP alone  
**Adjuvant** complete Freund's adjuvant followed by incomplete Freund's adjuvant

**FUSION**

**Date** 9/9/86  
**Myeloma cell line**  
**Species** mouse  
**Designation** NS1

**MONOCLONAL ANTIBODY**

**Isotype** IgG1, kappa light chain  
**Specificity**  
**Cell binding**  
**Immunohistology**  
**Antibody competition**  
**Species Specificity** rat, mouse

**ANTIGEN**

**Chemical properties** N CAM  
**Molecular weight**  
**Characterization**  
**Immunoprecipitation** yes  
**Immunoblotting** yes  
**Purification** yes  
**Amino acid sequence analysis**  
**Functional effects**  
**Immunohistochemistry** yes

**PUBLICATIONS :**

Dodd, J., Morton, S.B., Karagogeos, D., Yamamoto, M., and Jessell, T.M. (1988). Spatial regulation of axonal glycoprotein expression on subsets of embryonic spinal neurons. *Neuron* 1, 105-116.  
Wheeler, E.F., and Bothwell, M. (1992). Spatiotemporal patterns of expression of NGF and the low-affinity NGF receptor in rat embryos suggest functional roles in tissue morphogenesis and myogenesis. *J. Neurosci.* 12(3), 930-945.  
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- Holbrook, E.H., Miesleszko Szumowski, K.E., and Schwob, J.E. (1995). An immunochemical, ultrastructural, and developmental characterization of the horizontal basal cells of rat olfactory epithelium. *J. Comp. Neurol.* 363, 129-146.
- Wheeler, E.F., Gong, H., Grimes, R., Benoit, D., and Vazquez, L. (1998). p75<sup>NTR</sup> and *Trk* receptors are expressed in reciprocal patterns in a wide variety of non-neural tissues during rat embryonic development, indicating independent receptor functions. *J. Comp. Neurol.* 391, 407-428.
- Páez, P., Bátiz, L-F., Roales-Buján, R., Rodríguez-Pérez, L-M., Rodríguez, S., Jiménez, A.J., Rodríguez, E.M., and Pérez-Fígares, J.M. (2007). Patterned neuropathologic events occurring in *hyh* congenital hydrocephalic mutant mice. *J. Neuropathol. Exp. Neurol.* 66(12), 1082-1092.

ACKNOWLEDGMENTS STATEMENT

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