

**MOUSE ANTI-NEURONAL NUCLEI (NeuN)
BIOTIN CONJUGATED
MONOCLONAL ANTIBODY**

CATALOG NO:	MAB377B
LOT NUMBER:	
QUANTITY:	500 µg
CONCENTRATION:	1 mg/mL
SPECIFICITY:	<p>Vertebrate neuron-specific nuclear protein called NeuN (Neuronal Nuclei). MAB377B reacts with most neuronal cell types throughout the nervous system of mice including cerebellum, cerebral cortex, hippocampus, thalamus, spinal cord and neurons in the peripheral nervous system including dorsal root ganglia, sympathetic chain ganglia and enteric ganglia. The immunohistochemical staining is primarily in the nucleus of the neurons with lighter staining in the cytoplasm. The few cell types not reactive with MAB377B include Purkinje, mitral and photoreceptor cells.</p> <p>Developmentally, immunoreactivity is first observed shortly after neurons have become postmitotic, no staining has been observed in proliferative zones.</p> <p>The antibody is an excellent marker for neurons in primary cultures and in retinoic acid-stimulated P19 cells. It is also useful for identifying neurons in transplants.</p>
IMMUNOGEN:	Purified cell nuclei from mouse brain.
ISOTYPE:	IgG ₁
APPLICATIONS:	<p>Immunohistochemistry: 1:100 on rat (paraformaldehyde fixed) and mouse (paraformaldehyde fixed, antigen retrieved) brain tissue. It is suggested that pre-blocking with an avidin/biotin blocking kit be performed prior to incubating with the primary antibody.</p> <p>Optimal working dilutions must be determined by end user.</p>
SPECIES REACTIVITIES:	Rat and mouse. It is expected that the biotin conjugated antibody will also react with human, ferret, chick and salamander.
FORMAT:	Purified immunoglobulin conjugated to biotin.
PRESENTATION:	Liquid in 0.01M PBS pH 7.1, 0.1% sodium azide with 15 mg/mL BSA as a stabilizer.
STORAGE/HANDLING:	Maintain at 2-8°C for up to 6 months after date of receipt.

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