

**MOUSE ANTI-NEURONAL NUCLEI (NeuN)
ALEXA FLUOR® 488 CONJUGATED
MONOCLONAL ANTIBODY**

CATALOG NO: MAB377X

LOT NUMBER:

QUANTITY: 500 µg

CONCENTRATION: 1 mg/mL

SPECIFICITY: Vertebrate neuron-specific nuclear protein called NeuN (Neuronal Nuclei). MAB377X 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 MAB377X include Purkinje, mitral and photoreceptor cells.

Developmentally, immunoreactivity is first observed shortly after neurons have become postmitotic, no staining has been observed in proliferative zones.

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.

IMMUNOGEN: Purified cell nuclei from mouse brain.

ISOTYPE: IgG₁

APPLICATIONS: Immunohistochemistry: 1:100 on rat (paraformaldehyde fixed) and mouse (paraformaldehyde fixed, antigen retrieved) brain tissue.
Optimal working dilutions must be determined by end user.

SPECIES REACTIVITIES: Rat and mouse. It is expected that the Alexa Fluor® 488 conjugated antibody will also react with human, ferret, chick and salamander.

FORMAT: Purified immunoglobulin conjugated to Alexa Fluor® 488.

PRESENTATION: Liquid in Phosphate buffer with 15 mg/mL BSA as a stabilizer and 0.1% sodium azide.

STORAGE/HANDLING: Maintain at 2-8°C in the dark for up to 6 months after date of receipt.

RELATED

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