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NEFH
Mouse Anti-Human Neurofilament Heavy (Clone NF-01) mAb

Catalog No.	MON3011	**Quantity:**	100 ug

Alternate Names: Neurofilament heavy polypeptide, NF-H, 200 kDa neurofilament protein, Neurofilament triplet H protein

Description: MON 3011 recognizes a phosphorylated epitope on heavy neurofilament protein (210 kDa) of various species. Antibodies to the various neurofilament subunits are very useful cell type markers since the proteins are among the most abundant of the nervous system, are expressed only in neurons and are biochemically very stable. Neurofilaments (NFs) are a type of intermediate filaments (IF) expressed almost exclusively in neuronal cells, and in those cells most prominently in large axons. NFs in most vertebrates are composed of three different polypeptide chains with different molecular weights – neurofilament heavy protein (NF-H), medium (NF-M) and light protein (NF-L), which share sequence and structural similarity in a coiled-coil core domain, but differ in the length and sequence of their N-termini and more dramatically of their C-termini which in the case of NF-M and NF-H form the flexible extensions that link NFs to each other and to other elements in the cytoplasm.

Concentration: 1 mg/ml

UniProt ID: P12036

Specificity: Human Neurofilament heavy protein

Host: Mouse

Immunogen: Pellet of porcine brain cold-stable proteins after depolymerization of microtubules

Isotype: IgG1

Clone: NF-01

Formulation: Purified antibody in PBS containing 15mM sodium azide

Applications: WB, ICC, IHC

Storage & Stability: Store at 2-8°C for up to 1 year.

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