Mouse monoclonal antibody to Neurofilament Medium [3H11]

Catalogue No.:	M-1394-100
Description:	Neurofilaments are composed of three intermediate filament proteins: light (~68 kDa), medium (~160 kDa) and heavy (~200 kDa), which are involved in the maintenance of the neuronal caliber. Neurofilament medium runs on SDS-PAGE gels in the range 145-170 kDa, with some variation in different species.
Batch No.:	See product label
Unit size:	100 µl
Antigen:	Raised against a recombinant fusion protein containing the extreme C-terminus of rat NF-M expressed in and purified from E. coli. The epitope is localized to within the last 56 amino acids at the extreme C-terminus of rat NF-M, the so-called KE segment which is highly conserved between NF-M molecules from different species.
Antibody Type:	Monoclonal
Isotype:	IgG1
Clone:	3H11
Other Names:	Neurofilament medium polypeptide; NF-M; 160 kDa neurofilament protein; Neurofilament 3; Neurofilament triplet M protein; Nefm; Nef3; Nfm;
Accession:	P12839 NFM_RAT;
Produced in:	Mouse
Applications:	Western Blotting (WB), Immunocytochemistry (IC), Immunohistochemistry (IH) and Flow Cytometry. A dilution of 1:1,000 - 1:5,000 is recommended for WB. A dilution of 1:100 - 1:500 is recommended for IC and IH. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
Specificity:	Specifically recognizes the medium neurofilament subunit NF-L in WB.
Antibody Against:	Neurofilament Medium
Cross-reactivity:	Hu, Rat, Ms, Fel, Bov, Por, Chk
Form:	Lyophilised with 5% trehalose
Appearance:	White powder
Reconstitution:	Reconstitute in sterile distilled water. Centrifuge to remove any insoluble material.
Storage:	After reconstitution of lyophilised antibody, aliquot and store at -20°C for a higher stability. Avoid freeze-thaw cycles.
Expiry Date:	12 months after purchase
Specific References:	1. Felitsyn N. et al (2008) The heme precursor delta-aminolevulinate blocks peripheral myelin formation. J Neurochem. 2008 Sep;106(5):2068-79.

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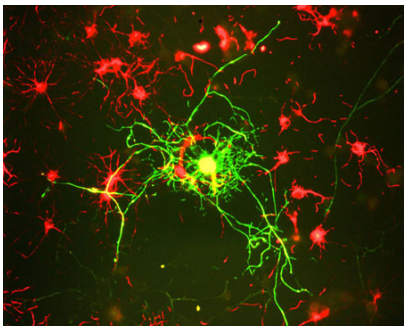

Culture of adult neural cells. Mature neurons can be identified by their morphology and because they stain strongly with antibodies to NF-L, NF-M and NF-H. The surrounding stellate red cells are stained with Rabbit polyclonal antibody to Internexin alpha R-1379-50. These are apparently mitotic neuronal progenitor cells and express many other neuronal markers.

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