



## Mouse monoclonal antibody to Neurofilament Light [NF-68]: IgG

<b>Catalogue No.:</b>	M-987-100
<b>Description:</b>	THIS PRODUCT HAS BEEN SUPERCEDED. PLEASE REFER TO THE "REPLACED BY" FIELD BELOW TO LOCATE THE CURRENT BIOSENSIS PRODUCT TO MEET YOUR RESEARCH NEEDS. 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 light (NF68 or NF-L) is the most abundant of the three proteins. This antibody specifically recognises dephosphorylated NF68.
<b>Replaced by:</b>	M-1391-50
<b>Batch No.:</b>	See product label
<b>Unit size:</b>	100 $\mu$ g
<b>Antigen:</b>	Pig spinal cord
<b>Clone:</b>	NF-68
<b>Other Names:</b>	NF-L; NF68; NEFL; Neurofilament light polypeptide; NFL;
<b>Accession:</b>	P02547 NFL_PIG; P07196 NFL_HUMAN
<b>Produced in:</b>	Mouse
<b>Purity:</b>	IgG
<b>Applications:</b>	Immunohistochemistry (IHC) and Western Blotting (WB). A concentration of 1.0-2.0 $\mu$ g/ml is recommended for WB. Pig NF68 has a predicted length of 549 aa and MW of 68 kDa. A concentration of 2.0-4.0 $\mu$ g/ml is recommended to detect NF68 in formalin fixed and paraffin embedded tissues as well as formalin/acetone fixed tissues. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
<b>Specificity:</b>	The specificity of this antibody has been confirmed by WB and IHC against the antigen.
<b>Cross-reactivity:</b>	Human; pig;
<b>Form:</b>	Lyophilized from 1.2% sodium acetate, 2mg BSA, 0.01mg Na <sub>3</sub>
<b>Reconstitution:</b>	Reconstitute in 1 ml of PBS (pH 7.4) to achieve an antibody concentration of 100 $\mu$ g/ml. Centrifuge to remove any insoluble material.
<b>Storage:</b>	At least 12 months after purchase at 2 - 4 $^{\circ}$ C (lyophilized formulations). After reconstitution, aliquot and store at -20 $^{\circ}$ C for a higher stability. Avoid freeze-thaw cycles.
<b>Expiry Date:</b>	12 months after purchase.
<b>Specific References:</b>	Johnson VE et al. (2016) SNTF immunostaining reveals previously undetected axonal pathology in traumatic brain injury. Acta Neuropatho. 131:115-35. doi: 10.1007/s00401-015-1506-0. Application: IHC, FFPE tissue with heat-mediated antigen retrieval. Species: Human and swine.

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