



## Mouse monoclonal antibody to Neurofilament Heavy [NF-200]: IgG

<b>Catalogue No.:</b>	M-988-100
<b>Description:</b>	Neurofilaments contain three intermediate filament proteins: light (68 kDa), medium (160 kDa) and heavy (200 kDa). Neurofilament heavy (NF200 or NF-H) is phosphorylated and it is thought that this results in the formation of interfilament cross bridges that are important in the maintenance of axonal caliber. This antibody recognises both phosphorylated and dephosphorylated forms of NF200/NF-H.
<b>Batch No.:</b>	See product label
<b>Unit size:</b>	100 µg
<b>Antigen:</b>	C-terminal segment of enzymatically dephosphorylated pig Neurofilament Heavy (NF200).
<b>Clone:</b>	NF-200
<b>Other Names:</b>	NF-200; NF200; NF-H; NEFH; N52; Neurofilament heavy polypeptide; Neurofilament triplet H protein; 200 kDa neurofilament protein; KIAA0845; NFH;
<b>Accession:</b>	P12036 NFH_HUMAN; P12037 NFH_PIG
<b>Produced in:</b>	Mouse
<b>Purity:</b>	IgG
<b>Applications:</b>	Immunohistochemistry (IHC) and Western Blotting (WB). A concentration of 0.50 µg/ml is recommended for WB. Human NF200 has a predicted length of 1026 residues and MW of 112 kDa. A concentration of 1.0-2.0 µg/ml is recommended to detect NF200 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; mouse; rat;
<b>Form:</b>	Lyophilized from 1.2% sodium acetate, 2mg BSA, 0.01mg NaN3
<b>Reconstitution:</b>	Reconstitute in 1 ml of PBS (pH 7.4) to achieve an antibody concentration of 100 µg/ml. Centrifuge to remove any insoluble material.
<b>Storage:</b>	At least 12 months after purchase at 2 - 4°C (lyophilized formulations). After reconstitution, aliquot and store at -20°C for a higher stability. Avoid freeze-thaw cycles.
<b>Expiry Date:</b>	12 months after purchase.

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FOR RESEARCH USE ONLY

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