

## NEFL, NEFH

### Mouse Anti-Human Neurofilament Light and Heavy (Clone 2F11) mAb

<b>Catalog No.</b>	MON3004-1 MON3004-5	<b>Quantity:</b>	1 mL 5 mL
<b>Alternate Names:</b>	Neurofilament light polypeptide, 68 kDa neurofilament protein, Neurofilament heavy polypeptide, 200 kDa neurofilament protein		
<b>Description:</b>	The monoclonal antibody recognizes human neurofilaments. Neurofilaments are type IV intermediate filament heteropolymers composed of light, medium, and heavy chains. Neurofilaments comprise the axoskeleton and they functionally maintain the neuronal caliber. They may also play a role in intracellular transport to axons and dendrites.		
<b>UniProt ID:</b>	P07196, light P12036, heavy		
<b>Specificity:</b>	This antibody stains the 70 kD (light) and 200 kD (heavy) polypeptides of neurofilament.		
<b>Cross-Reactivity:</b>	Not reactive with small cell lung carcinoma. No detectable cross-reactivity to GFAP, Keratin, Vimentin, or Desmin.		
<b>Host:</b>	Mouse		
<b>Isotype:</b>	IgG1		
<b>Immunogen:</b>	Neurofilament from human brain		
<b>Clone:</b>	2F11		
<b>IgG1 Concentration:</b>	15 µg/mL (anti-Neurofilament) <b>Product has not changed; same anti-NFL concentration as all previous lots.</b>		
<b>Formulation:</b>	Cell culture supernatant diluted in 0.15 M PBS, 1% BSA, 0.1% sodium azide.		
<b>Applications:</b>	Western blot, Immunohistochemistry		
<b>Application Notes:</b>	The antibody stains neurons in sections of brain and other tissues. Frozen sections show excellent staining. On sections from formalin fixed and paraffin embedded tissue the staining is somewhat reduced. IHC - frozen: dilute approximately 1:160, preferably in PBS IHC - paraffin: dilute approximately 1:50. WB: dilute 1:20 (lesser amounts of the antibody may be sufficient) The optimal concentration should be determined by the user for each specific application.		
<b>Storage &amp; Stability:</b>	Store antibody at 2-8°C for up to 1 year.		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



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