

NEF

Mouse Anti-Human Neurofilament (Clone 2F11) mAb

Catalog No.	MON3004-1
Lot No:	1186904
Quantity:	1 mL
Alternate Names:	NFH, NFL, CMT1F, CMT2E
Description:	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.
Gene ID:	4744
UniProtKB:	P12036
Specificity:	This antibody stains the 70 kD (light) and 200 kD (heavy) polypeptides of neurofilament.
Cross-Reactivity:	Not reactive with small cell lung carcinoma. No detectable cross-reactivity to GFAP, Keratin, Vimentin, or Desmin.
Host:	Mouse
Isotype:	IgG1
Immunogen:	Neurofilament from human brain
Clone:	2F11
Conjugate:	Unconjugated
Formulation:	1 mL supernatant with approximately 60 µg antibody/ml, 1% FCS, 10 mM sodium azide.
Concentration:	~50 µg/mL (sufficient for 100-500 tests)
Applications:	Western blot, Immunohistochemistry
Application Notes:	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.
Storage & Stability:	Store antibody at 2-8°C for up to 1 year.
Statement:	PPE is recommended when working with products containing sodium azide.

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



Cell Sciences®

65 Parker Street
Unit 11
Newburyport, MA 01950

Toll Free: 888-769-1246

Phone: 978-572-1070

Fax: 978-992-0298

E-mail: info@cellsciences.com

Website: www.cellsciences.com