

Anti-Neurofilament light polypeptide (NF-L) Antibody (1B11)



Product Details

Available Variants	100 µg (SKU:M-2128-100)
Conjugate	Unconjugated
Isotype	IgG1
Clone	1B11
Host Species	Mouse
Format	IgG
Physical State	Lyophilized
Buffer	Lyophilized from PBS buffer pH 7.2-7.6 with 0.1% trehalose, and sodium azide
Production Notes	Protein G purified
Applications	ICC, IF, IHC, WB
Dilution Ranges	WB: 1:10000-1:20000 IHC: 1:1000-1:2000 ICC: 1:1000-1:2000
Species Reactivity	Bovine, Human, Mouse, Pig, Rat
Immunogen	The antibody has been made against a preparation of NF-L protein purified from pig spinal cord. This antibody binds to amino acids 316-370 of human NF-L.
Specificity	Species cross-reactivity includes human, rat, mouse, cow, and pig.

Storage	Spin vial briefly before opening. Reconstitute with 100 μ L sterile-filtered, ultrapure water to achieve a 1 mg/mL concentration. Centrifuge to remove any insoluble material. Store lyophilized antibody at 2-8°C After reconstitution of lyophilized antibody, aliquot and store at -20°C for a higher stability. Avoid freeze-thaw cycles. Store at 4°C for up to one month for short term storage and frequent use.
UniProt ID	P07196
Country of Origin	United States
Shipping	25°C (ambient)
Expiration	12 months after date of receipt (unopened vial).
Usage Statement	For research use only.

Product Images

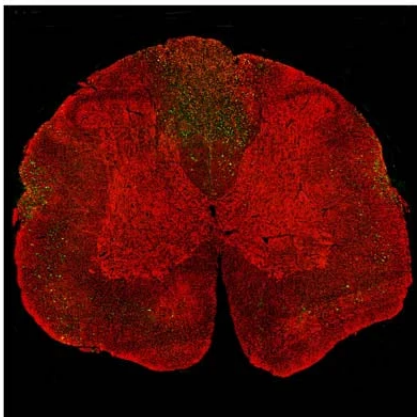
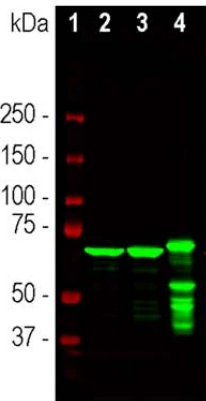


Image of a rat spinal cord section with a three-day-old midline C4 contusion injury by **Immunofluorescence and Immunohistochemistry**. The section was stained M-2128-100, Neurofilament light polypeptide (NF-L), Clone 1B11, Mouse mAb, (green), and co-stained with product R-2113-50, Neurofilament light polypeptide, C-terminus, (NF-L-Ct), Rabbit pAb, (red). Product M-2128-100 stains prominent aggregates of material concentrated in the lateral funiculi and dorsal columns, which are degenerating and degenerated axons caused by the C4 lesion. As product R-2113-50 antibody binds the C-terminal "tail" region of NF-L, which is absent or destroyed during degeneration, product M-2128-100 stains positively for degenerating NF-L profiles, but staining with R-2113-50 full-length NF-L is largely negative.



Analysis by **western blot** of NF-L expression in different tissue lysates with M-2128-100, Neurofilament light polypeptide (NF-L), Clone 1B11, Mouse mAb, (green, 1:20,000) with strong bands at approx 68 - 70kDa. Lane 1: protein standard (red); Lane 2: rat brain; Lane 3: mouse brain; Lane 4: cow cerebellum The lower molecular weight bands detected in the cow cerebellum sample are likely proteolytic forms of NF-L.

Product Page URL: www.antibodiesinc.com/products/anti-neurofilament-light-polypeptide-nf-l-antibody-1b11-m-2128-100



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