

Anti-NFM (Neurofilament Medium Chain) Antibody

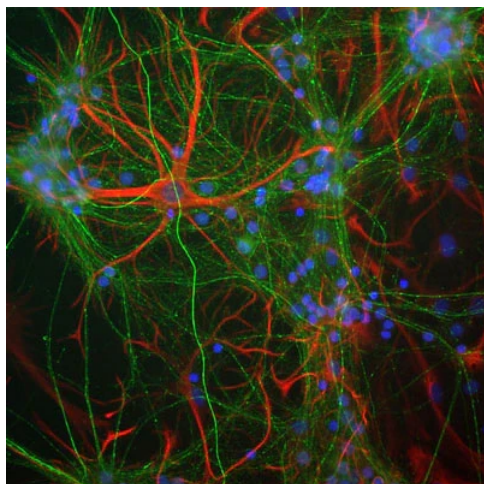


Product Details

Available Variants	200 µL (SKU:NFM)
Isotype	IgY
Gene Name	NEFM NEF3 NFM
Host Species	Chicken
Concentration	2 mg/mL
Format	IgY Fraction
Physical State	Liquid
Buffer	Phosphate-buffered (10 mM) isotonic (0.9%, w/v) saline ("PBS" pH 7.2) with bovine serum albumin (BSA, 0.5%) added to prevent absorption to the plastic and sodium azide (0.02%, w/v) added as a preservative
Production Notes	NFM protein was purified from bovine spinal cords following the method of Delacourte et al. ["Study of the 10-nm-filament fraction isolated during the standard microtubule preparation" (1980). Biochem. J. 191(2): 543-546], followed by Prepcell purification (Bio-Rad). Antibodies were prepared by injecting purified NFM protein into laying hens. After repeated injections into the hens, immune eggs were collected, and the IgY fractions were purified from the yolks. Antibodies were diluted in the buffer described above, and then filter-sterilized.
Applications	ICC, IHC, WB
Dilution Ranges	WB: 1:1000-1:2000 IHC: 1:1000-1:2000 ICC: 1:1000-1:2000
Species Reactivity	Human, Mouse, Rat
Immunogen	Recombinant construct containing the C-terminus of the human sequence expressed in Escherichia coli

Molecular Weight	150 kDa
Quality Control	Quality assurance analysis was performed using immunohistochemistry (at a dilution of 1:5000) using fluorescein-labeled goat anti-chicken IgY (1:500 dilution, Aves Labs Cat.# F-1005) as the secondary reagent.
Storage	Store at 4°C in the dark. Under these conditions, the antibodies should have a shelf life of at least twelve months, provided they remain sterile. For longer term storage, aliquot and freeze to avoid freeze-thaw of the antibody.
Antibody Registry ID	AB_2313554
UniProt ID	<u>P07197</u>
Country of Origin	United States
Shipping	Ice packs
Expiration	12 months from receipt of product
Usage Statement	These antibodies are to be used as research laboratory reagents and are not for use as diagnostic or therapeutic reagents in humans.

Product Images



Immunocytochemical staining of NF-M immunoreactivity (green) and Glial Fibrillary Acidic Protein (GFAP, red) in a culture of mouse cortical neurons. The chicken anti-NFM immunostaining was performed using a 1:2000 dilution, and the GFAP immunostaining was performed using a 1:5000 dilution. Photomicrographs from Dr. Gerry Shaw, EnCor Biotechnology, Inc.

Product Page URL: www.antibodiesinc.com/products/anti-nfm-neurofilament-medium-chain-antibody-nfm



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