

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human NF-H in direct ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with recombinant human (rh) NF-L or rhNF-M is observed.
Source	Monoclonal Mouse IgG ₁ Clone # 321721
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human NF-H Met1-Ala380 Accession # P12036
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

The human Neurofilament Heavy chain, also known as NF-H and NEFH, is a phosphorylated cytoskeletal intermediate filament protein that is expressed in neurons. Neurofilaments are trimers that always contain the 68 kDa NF-L and variably contain 125 kDa NF-M and 200 kDa NF-H. In the region used for immunization, mouse and rat NF-H are each 93% identical to human NF-H.

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