BT LAB
Bioassay Technology Laboratory
Optimize Your Research

NEFL Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA3662
Host	Mouse
Isotype	Mouse IgG1
Size	100μL, 50μL
Immunogen	Purified recombinant fragment of human NEFL (AA: 1-200) expressed in E. Coli.
Mol wt	61.5kDa
Species reactivity	Others
Clonality	Monoclonal
Recommended application	WB,IHC,FCM
Concentration	N/A
Full name	N/A
Synonyms	NFL;NF-L;NF68;CMT1F;CMT2E;CMTDIG;PPP1R110

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

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. This gene encodes the light chain neurofilament protein. Mutations in this gene cause Charcot-Marie-Tooth disease types 1F (CMT1F) and 2E (CMT2E), disorders of the peripheral nervous system that are characterized by distinct neuropathies. A pseudogene has been identified on chromosome Y. [provided by RefSeq, Oct 2008]

Recommended Dilution

WB: 1:500 - 1:2000

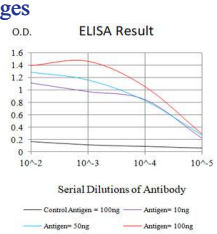
IHC-p: 1:200 - 1:1000

FCM: 1:200 - 1:400

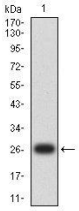
ELISA: 1:10000

Not yet tested in other applications.

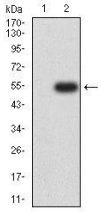
Images



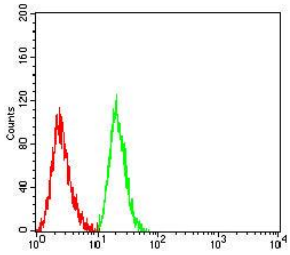
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



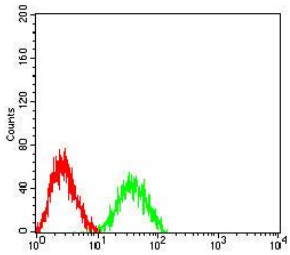
Western blot analysis using NEFL mAb against human NEFL (AA: 1-200) recombinant protein. (Expected MW is 26.9 kDa)



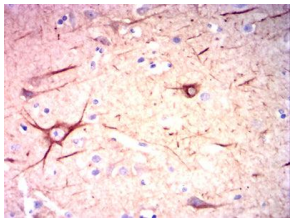
Western blot analysis using NEFL mAb against HEK293-6e (1) and NEFL (AA: 1-200)-hIgGFc transfected HEK293-6e (2) cell lysate.



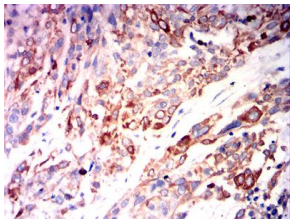
Flow cytometric analysis of Jurkat cells using NEFL mouse mAb (green) and negative control (red).



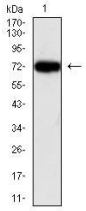
Flow cytometric analysis of SK-N-SH cells using NEFL mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded brain tissues using NEFL mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded esophageal cancer tissues using NEFL mouse mAb with DAB staining.



Western blot analysis using NEFL mouse mAb against HEK293 (1) cell lysate.

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

501 Changsheng S Rd, Nanhu Dist, Jiaxing, Zhejiang, China

Tel: 86 21 31007137 | E-mail: save@bt-laboratory.com | www.bt-laboratory.com