
Product Name: NEFM Mouse Monoclonal Antibody**Catalog #: AMM81176**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,ELISA,FC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	102.4kDa

Antigen Information

Gene Name	NEFM
Alternative Names	NFM; NEF3; NF-M
Gene ID	4741.0
SwissProt ID	P07197
Immunogen	Purified recombinant fragment of human NEFM (AA: 381-443) expressed in E. Coli.

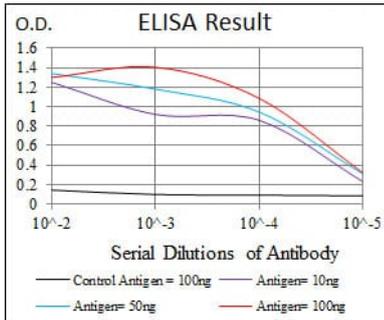
Background

Neurofilaments are type IV intermediate filament heteropolymers composed of light, medium, and heavy chains. Neurofilaments comprise the axoskeleton and functionally maintain neuronal caliber. They may also play a role in intracellular transport to axons and dendrites. This gene encodes the medium neurofilament protein. This protein is commonly used as a

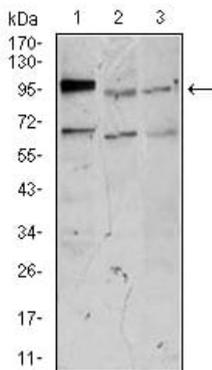
biomarker of neuronal damage. Alternative splicing results in multiple transcript variants encoding distinct isoforms.

Research Area

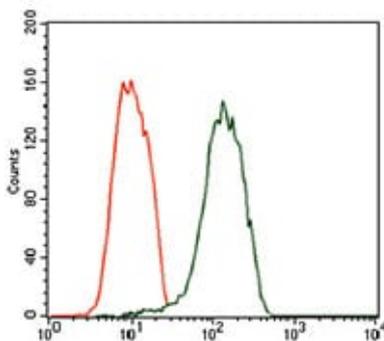
Image Data



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



Western blot analysis using NEFM mouse mAb against NTERA-2 (1), SK-N-SH (2), and PC-12 (3) cell lysate.



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