

## NEFM Monoclonal Antibody

### Description

<b>Product type</b>	Antibody
<b>Code</b>	BT-MCA4685
<b>Host</b>	Mouse
<b>Isotype</b>	Mouse IgG1
<b>Size</b>	100µL, 50µL
<b>Immunogen</b>	Purified recombinant fragment of human NEFM (AA: 381-443 ) expressed in E. Coli.
<b>Mol wt</b>	102.4kDa
<b>Species reactivity</b>	Human
<b>Clonality</b>	Monoclonal
<b>Recommended application</b>	WB,FCM
<b>Concentration</b>	N/A
<b>Full name</b>	N/A
<b>Synonyms</b>	NFM;NEF3;NF-M

**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 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.

### Recommended Dilution

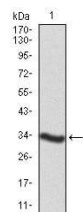
WB: 1:500 - 1:2000

FCM: 1:200 - 1:400

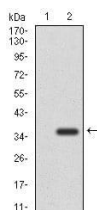
ELISA: 1:10000

Not yet tested in other applications.

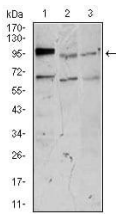
### Images



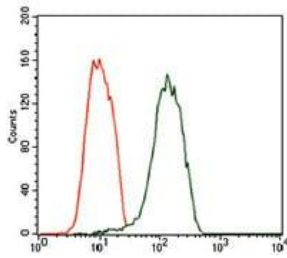
Western blot analysis using NEFM mAb against human NEFM recombinant protein. (Expected MW is 31.9 kDa)



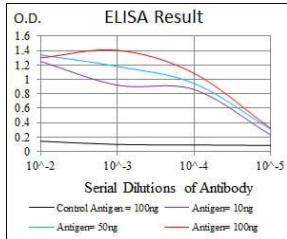
Western blot analysis using NEFM mAb against HEK293 (1) and NEFM (AA: 381-443)-hIgGFc transfected HEK293 (2) cell lysate.



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).



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

### Storage

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

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