



# Anti-NEFM monoclonal antibody, clone SNP55 (DCABH-8985)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Mouse monoclonal to 160 kD Neurofilament Medium
<b>Antigen Description</b>	Neurofilaments are the 10nm or intermediate filament proteins found specifically in neurons, and are composed predominantly of three major proteins called neurofilament light (NF-L), neurofilament medium (NF-M) and neurofilament heavy (NF-H). Neurofilament medium runs on SDS-PAGE gels in the range 145-170 kDa, with some variation in different species. Antibodies to this protein are useful to identify neurons and their processes in tissue sections and in tissue culture. Neurofilament medium can also be useful in studies of neurofilament accumulations seen in many neurological diseases, such as Lou Gehrigs disease or Alzheimers disease.
<b>Specificity</b>	This antibody recognizes a phosphate independent epitope in the rod (core) domain of 160kD Neurofilament Medium.
<b>Immunogen</b>	Purified mid sized rat neurofilament (NF-M) subunit.
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Mouse, Rat, Human, Zebrafish, A. leptocephalus
<b>Clone</b>	SNP55
<b>Purification</b>	Purified IgG.
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	IHC-Fr, WB, ELISA, ICC, IHC-P
<b>Positive Control</b>	Extract of SH-SY5Y human neuroblastoma cells.

<b>Format</b>	Liquid
<b>Size</b>	100 µl
<b>Buffer</b>	Preservative: 15mM Sodium Azide; Constituents: 0.01M PBS, pH 7.4
<b>Preservative</b>	15mM Sodium Azide
<b>Storage</b>	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Nefm neurofilament, medium polypeptide [ Rattus norvegicus ]</a>
<b>Official Symbol</b>	NEFM
<b>Synonyms</b>	NEFM; neurofilament, medium polypeptide; neurofilament medium polypeptide; NF-M; neurofilament 3, medium; 160 kDa neurofilament protein; neurofilament triplet M protein; Neurofilament protein, middle polypeptide; Nfm; Nef3;
<b>Entrez Gene ID</b>	<a href="#">24588</a>
<b>Protein Refseq</b>	<a href="#">NP_058725</a>
<b>UniProt ID</b>	<a href="#">P12839</a>
<b>Pathway</b>	Amyotrophic lateral sclerosis (ALS), organism-specific biosystem; Amyotrophic lateral sclerosis (ALS), conserved biosystem;
<b>Function</b>	structural molecule activity;