

Mouse Neurofilament (NF-L) Monoclonal Antibody | anti-NEFL antibody

Neurofilament (NF-L) (Neuronal Marker) Mouse Monoclonal Antibody

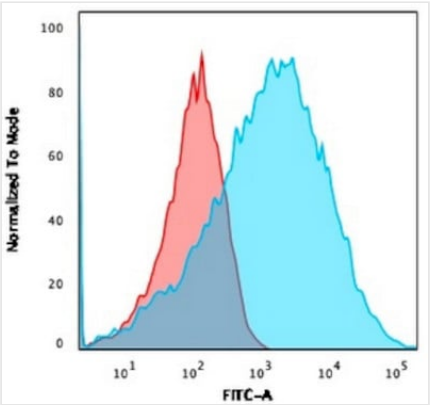
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62751	Mouse	Human, Rat, Pig, Cow, Chicken	Immunohistochemistry, Flow Cytometry, Functional Assay, Immunofluorescence

PRODUCT SYNONYMS

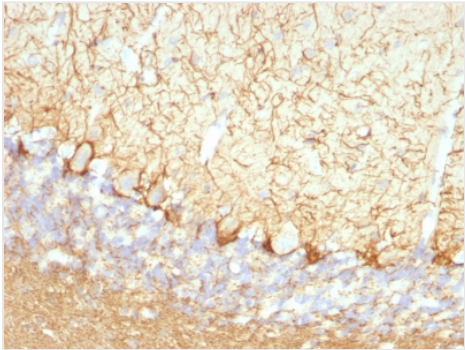
Neurofilament (NF-L); Monoclonal Antibody; Neurofilament (NF-L) (Neuronal Marker) Mouse Monoclonal Antibody; 68kDa neurofilament protein; Light molecular weight neurofilament protein; NEFL; Neurofilament light polypeptide 68kDa; Neurofilament light polypeptide; Neurofilament protein; light chain; Neurofilament subunit NF-L; Neurofilament triplet L protein; NF-L; NF68; anti-NEFL antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Rat, Pig, Cow, Chicken
Clonality	Monoclonal
Isotype	IgG1
Clone Number	NFL/736
Specificity	This MAb reacts with a 68kDa protein, identified as light sub-unit of neurofilaments (NF-L). Neurofilaments make up the main structural elements of axons and dendrites and are found in neurons, peripheral nerves, and sympathetic ganglion cells. Neurofilaments consist of three major subunits with molecular weights of 68kDa (NF-L), 160kDa (NF-M) and 200kDa (NF-H). Anti-neurofilament stains a number of neural, neuroendocrine, and endocrine tumors. Neuromas, ganglioneuromas, gangliogliomas, ganglioneuroblastomas, and neuroblastomas stain positively for anti-neurofilament. Neurofilaments are also present in paragangliomas as well as adrenal and extra-adrenal pheochromocytomas. Carcinoids, neuroendocrine carcinomas of the skin, and oat cell carcinomas of the lung also express neurofilament.
Form/Format	1.0mg/ml of Ab purified from Bioreactor Concentrate by Protein A/G.
Sequence Length	543
Applicable Applications for anti-NEFL antibody	IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry), IF (Immunofluorescence)
Cellular Localization	Cytoplasmic
Immunogen	Recombinant human NEFL protein
Hu-Chromosome Location	8p21.2
Positive Control	HEK293 cells; Brain, Neuroblastoma.
Preparation and Storage	Antibody without azide - store at -20°C to -80°C. Non-hazardous. No MSDS required.



FCM/FACS (Flow Cytometry)
Flow Cytometric Analysis of HEK293 cells using Neurofilament Monoclonal Antibody (NFL/736) followed by goat anti-Mouse IgG-CF488 (Blue); Isotype control (Red).



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded Rat Cerebellum stained with Neurofilament Monoclonal Antibody (NFL/736).

ADDITIONAL INFORMATION

References	Angelides, K.J., et. al. 1989. J. Cell Biol. 108: 1495-1506.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	105990539
NCBI GeneID	4747
NCBI Accession #	NP_006149.2
NCBI GenBank Nucleotide #	NM_006158.4
UniProt Accession #	P07196; Q16154; Q8IU72; B9ZVN2
Molecular Weight	68kDa
NCBI Official Full Name	neurofilament light polypeptide
NCBI Official Synonym Full Names	neurofilament, light polypeptide
NCBI Official Symbol	NEFL
NCBI Official Synonym Symbols	NFL; NF-L; NF68; CMT1F; CMT2E; PPP1R110
NCBI Protein Information	neurofilament light polypeptide
UniProt Protein Name	Neurofilament light polypeptide
UniProt Gene Name	NEFL
UniProt Synonym Gene Names	NF68; NFL; NF-L
UniProt Entry Name	NFL_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.