Neurofilament (NF-L) (Neuronal Marker) Antibody

Mouse Monoclonal Antibody [Clone SPM204]

Catalog No	Format	Size
4747-MSM1X-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
4747-MSM1X-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
4747-MSM1X-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

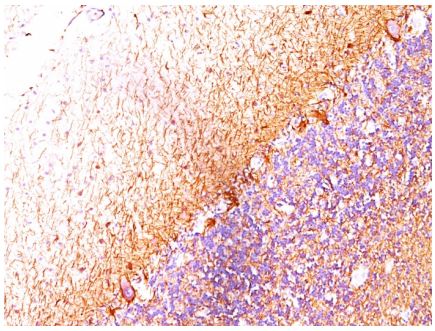
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

Clone	SPM204
Gene Name	NEFL
Immunogen	Neurofilament Purified from human brain
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	68kDa
Cellular Localization	Axon, Cell projection, Cytoplasm, Cytoskeleton
Species Reactivity	Chicken, Cow, Human, Pig, Rat
Positive Control	Brain, Neuroblastoma.

**Optimal dilution for a specific application should be determined.*

Product Images for Neurofilament (NF-L) (Neuronal Marker) Antibody



Formalin-fixed, paraffin-embedded cerebellum stained with Neurofilament Monoclonal Antibody (SPM204).

Specificity & Comments

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.

Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Neural Stem Cells, Neuroscience, Signal Transduction

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.