36-11083: Monoclonal Antibody to Neurofilament (H+L) (Neuronal Marker)(Clone : SPM145)

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Clonality :	Monoclonal
Clone Name :	SPM145
Application :	FACS,IHC
Reactivity :	Human, Mouse, Rat
Gene :	NEFH
Gene ID :	4744
Uniprot ID :	P12036
Format :	Purified
Alternative Name :	NEFH,KIAA0845,NFH
Isotype :	Mouse IgG1, kappa
Immunogen Information :	Semi-purified human neurofilaments from spinal cord

Description

This MAb reacts with a 200kDa and 68kDa protein, identified as heavy and light sub-units of neurofilaments (NF-H & 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.

Product Info

Amount :	100 µg
Purification :	Affinity Chromatography
Content :	100 µg in 500 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Storage condition :	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Flow Cytometry (1-2ug/million cells); Immunohistochemistry (Formalin-fixed) (0.25-0.5ug/ml for 30 minutes 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&degC followed by cooling at RT for 20 minutes);
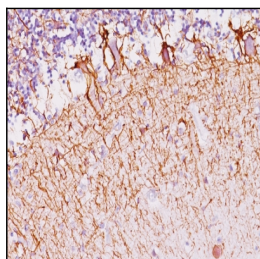
Formalin-fixed, paraffin-embedded human Cerebellum stained with Neurofilament Monoclonal Antibody (SPM145).

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