



Mouse Anti-Human NF-L Monoclonal Antibody, clone OGM4 (DMAB-JXL2356)

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

PRODUCT INFORMATION

Immunogen	Purified macaque NFL
Isotype	IgG1, κ
Source/Host	Mouse
Species Reactivity	Human, Mouse, Rat
Clone	OGM4
Purification	Affinity chromatography
Conjugate	Unconjugated
Applications	For Western blotting, the suggested use of this reagent is 5.0 - 10.0 μ g/ml. For immunohistochemistry on formalin-fixed paraffin-embedded tissue, a concentration range of 0.5 - 5.0 μ g/ml is suggested. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.
Format	Purified, Liquid
Concentration	0.5 mg/ml
Size	100 μ g
Buffer	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Preservative	0.09% sodium azide

Storage

The antibody solution should be stored undiluted between 2°C and 8°C.

BACKGROUND

Introduction

Neurofilaments are the 10nm or intermediate filament proteins found specifically in neurons, and are composed predominantly of three major proteins called NF-L, NF-M and NF-H, though other filament proteins may be included also. The major function of neurofilaments is likely to control the diameter of large axons. NF-L is the neurofilament light or low molecular weight polypeptide and runs on SDS-PAGE gels at 68-70kDa with some variability across species.

GENE INFORMATION

Synonyms

Neurofilament Light Polypeptide 68kD, Neurofilament Light Polypeptide, Neurofilament Subunit NF-L, CMT1F, NFL, NEFL, NF-L

UniProt ID

[P07196](#)

Function

Neurofilaments comprise the axoskeleton and they functionally maintain the neuronal caliber. They may also play a role in intracellular transport to axons and dendrites.
