

## 12-9534B: Biotinylated Anti-NEFL(89-400) antibody(6D8), Rabbit mAb

|                           |   |
|---------------------------|---|
| <b>Clonality :</b>        | Monoclonal                                      |
| <b>Clone Name :</b>       | 6D8   |
| <b>Application :</b>      | ELISA   |
| <b>Reactivity :</b>       | Human   |
| <b>Gene :</b>             | NEFL  |
| <b>Uniprot ID :</b>       | P07196  |
| <b>Alternative Name :</b> | CMT1F; CMT2E; CMTDIG; NF-L; NF68; NFL; PPP1R110 |
| <b>Isotype :</b>          | IgG   |

### Description

Neurofilaments are type IV intermediate filament heteropolymers composed of light, medium, and heavy chains. Neurofilaments comprise the axoskeleton and they functionally maintain the neuronal caliber. They may also play a role in intracellular transport to axons and dendrites. This gene encodes the light chain neurofilament protein. Mutations in this gene cause Charcot-Marie-Tooth disease types 1F (CMT1F) and 2E (CMT2E), disorders of the peripheral nervous system that are characterized by distinct neuropathies. A pseudogene has been identified on chromosome Y.

### Product Info

|                            |  |
|----------------------------|--|
| <b>Amount :</b>            | 10 µg / 100 µg   |
| <b>Purification :</b>      | Purified from cell culture supernatant by affinity chromatography  |
| <b>Content :</b>           | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.   |
| <b>Storage condition :</b> | Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).<br>Lyophilized proteins are shipped at ambient temperature. |

### Application Note

ELISA 1:5000-10000