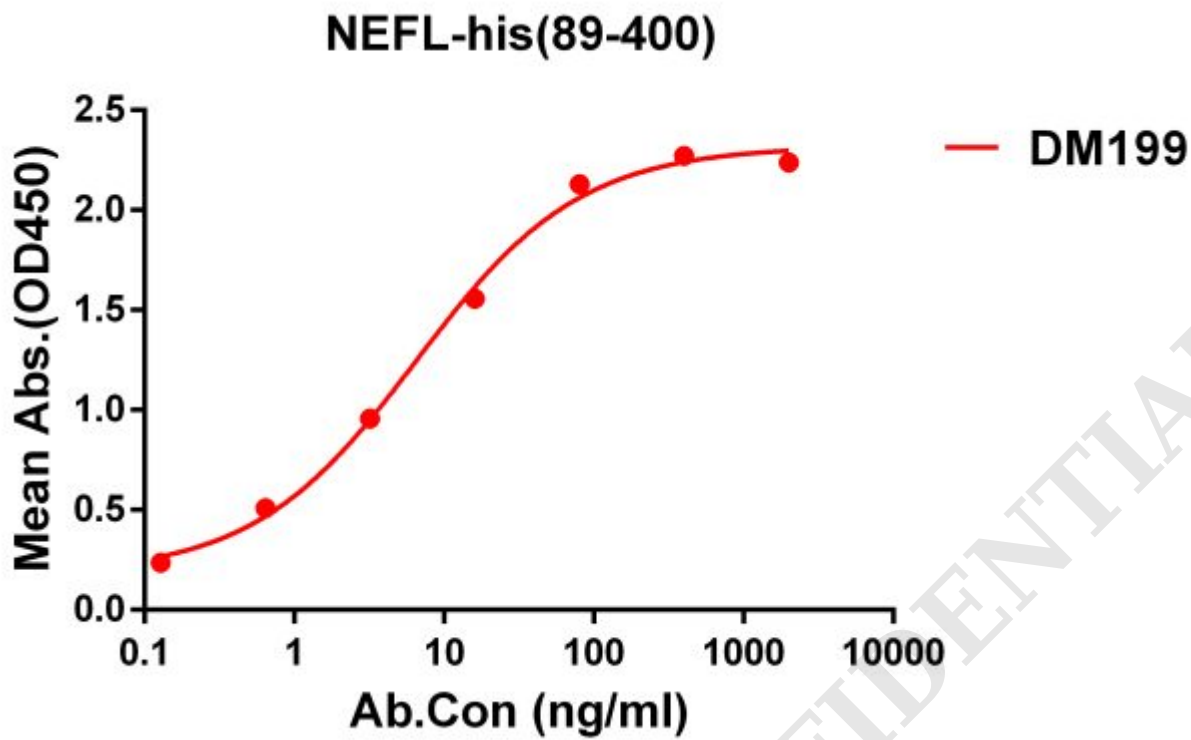


**PRODUCT INFORMATION**

|   |   |
|---|---|
| <b>Clone ID</b>                         | DM199   |
| <b>Target</b>                           | NEFL  |
| <b>Synonyms</b>                         | CMT1F; CMT2E; CMTDIG; NF-L; NF68; NFL; PPP1R110   |
| <b>Host Species</b>                     | Rabbit  |
| <b>Description</b>                      | Anti-NEFL(89-400) antibody(DM199); Rabbit mAb   |
| <b>Delivery</b>                         | In Stock  |
| <b>Uniprot ID</b>                       | P07196  |
| <b>IgG type</b>                         | Rabbit IgG  |
| <b>Clonality</b>                        | Monoclonal  |
| <b>Reactivity</b>                       | Human   |
| <b>Applications</b>                     | ELISA   |
| <b>Recommended Dilutions</b>            | ELISA 1:5000-10000  |
| <b>Purification</b>                     | Purified from cell culture supernatant by affinity chromatography   |
| <b>Formulation &amp; Reconstitution</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 &amp; Shipping</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). Lyophilized proteins are shipped at ambient temperature.   |
| <b>Background</b>                       | 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. |
| <b>Usage</b>                            | Research use only   |
| <b>Conjugate</b>                        | Unconjugated  |





**Figure 1.** ELISA plate pre-coated by 1  $\mu\text{g/ml}$  (100  $\mu\text{l/well}$ ) Human NEFL(89-400) protein, His tagged protein ([getskuurl sku="PME100648"]) can bind Rabbit anti-NEFL(89-400) monoclonal antibody(clone: DM199) in a linear range of 1-100 ng/ml.

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